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Phase II Environmental Site Assessment C&L Industrial Cleaners

City of Kenosha
Department of City Development

STS Project No. 586415XB-2000

THE INFRASTRUCTURE IMPERATIVE

STS CONSULTANTS

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October 4, 2001

Ms. Sharon Krewson
City of Kenosha – Department of City Development
625 – 52nd Street, Room 308
Kenosha, WI 53140

Re: Phase II Environmental Assessment for the Former C&L Industrial Cleaners, 8927 Sheridan Road, Kenosha, Wisconsin – STS Project No. 86415XB-T-2000

Dear Ms. Krewson:

STS Consultants, Ltd. (STS) has completed the Phase II Environmental Site Assessment authorized for the above-referenced property in general conformance with Sampling and Analysis Plan dated March 14, 2001 and the Quality Assurance Project Plan dated March 1, 2001. The purpose of this report is to present the results of the Phase II ESA.

We appreciate the opportunity to be of service to you. If there are any questions concerning the information contained in this report, please contact us.

Respectfully,

STS CONSULTANTS LTD.

Lanette Altenbach, P.G.
Senior Project Engineer

Thomas W. Kroeger, P.H.
Principal Hydrologist

Attachments

NR 700 CERTIFICATIONS

"I, Lanette L. Altenbach, certify that I am a hydrogeologist as that term is defined in s.NR712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR700 to 726, Wis. Adm. Code."

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Lanette L. Altenbach, P.G., C.P.G. Date
Senior Project Hydrogeologist

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EXECUTIVE SUMMARY

On behalf of the City of Kenosha Department of City Development, STS Consultants, Ltd. (STS) has completed a Phase II Environmental Site Assessment (ESA) for the property located at 8927 Sheridan Road in the City of Kenosha, Wisconsin. The City of Kenosha, under a grant from the United States Environmental Protection Agency (USEPA) Brownfields Economic Redevelopment Initiative, authorized this ESA to facilitate potential acquisition and redevelopment of the subject site. This Phase II ESA was performed for the purpose of determining the presence and nature of contamination due to the recognized environmental conditions (RECs), identified in the Phase I ESA.

The site buildings were previously occupied by C&L Industrial Cleaners and more recently by BBL Barrel Company. Reportedly, C&L Industrial Cleaners cleaned carpets for building entrances. It was not known if C&L Industrial Cleaners was involved in cleaning other types of materials or what type(s) of cleaning processes were used. Based on the results of the Phase II, it appears that a dry cleaning process involving tetrachloroethylene was used on the site. The BBL Barrel Company reportedly sold industrial supplies.

The following summarizes STS' findings regarding environmental conditions discovered as a result of completing the Phase II ESA for the site:

- It appears that C&L Industrial Cleaner used the dry cleaning solvent, tetrachloroethylene (PCE) in their cleaning process. Very high concentrations of PCE were observed in the sludge from Pit #7, located in the western portion of the building, as well as in the soil and groundwater samples collected from geoprobe G-1 located adjacent to this pit. It appears that Pit #7, or activity that may have occurred very close to Pit #7, present a source of PCE on the site. A secondary source of PCE is likely near G-5, which is located adjacent to a floor drain in the main garage area.
- Based on concentrations of PCE on other areas of the site (particularly in the drum storage areas near the shed; at B-2, near the northern property line; and, at TP-5, B-11 and B-12, in the undeveloped portion of the site), spillage of PCE appears to have occurred outside the building.
- Sludge samples collected from the various pits located within the building indicate that all or at least some of the sludge material is hazardous waste as defined under NR605.09. The sludges containing PCE (Pit #4, 6 and 7) may be classified as U210 or F002 listed hazardous waste. The sludge with no detectable PCE (Pit #1, 3, and 5) may also be classified as hazardous waste due to elevated levels of cadmium, chromium, lead, barium and selenium.
- An inventory of drummed wastes indicates that there are at least 15 sealed drums whose contents is either unknown or unconfirmed.

- Low levels of petroleum-related volatile organic constituents (VOCs) were detected in some of the soil samples collected from the site. These are likely a result of spills of small quantities of petroleum products but do not pose a significant risk to human health or the environment.
- The fill materials located on the eastern two-thirds of the site do not appear to be significantly affecting the underlying soil or groundwater quality of the site. The fill piles contained primarily concrete rubble and asphalt, as was observed on the surface. However, at TP-1 and TP-2, wood, a tire and hubcaps were observed and at TP-3, old car parts, a motor and electrical conduit were also observed. The materials may require removal prior to redevelopment for geotechnical and site grading purposes.
- It does not appear that the off-site underground storage tank (UST) located to the north of the site and identified in the Phase I ESA has impacted the site, since petroleum products were not detected in either of the borings (B-1 or B-2) located near the northern property limits.
- The potential impact of the off-site sources of solvents, identified in the Phase I ESA, is not apparent from the existing soil and groundwater information. Off-site sources may or may not be contributing to the impacts observed on the subject site.

Based on the above summary of findings and in consideration of the data quality objectives (DQOs) outlined in the Quality Assurance Project Plan (QAPP) and discussed further in the Sampling and Analysis Plan, STS has reached the following conclusions. Elevated concentrations of chlorinated volatile organic constituents, including PCE, trichloroethylene (TCE), dichloroethylene (DCE) and vinyl chloride were detected in the sludges, soil and groundwater of the subject property. The horizontal and vertical extent of the impacts has not been determined. It appears that the source of the contamination is within or near to Pit #7 located in the northern portion of the building and is a result of the use of PCE as a dry cleaning solvent on the subject property. The contaminant concentrations are significant with respect to human health and the environment and will require additional investigation and likely some element of remedial action prior to redevelopment of the site. However, it does not appear at this time that the level of impacts would preclude redevelopment of the site.

Based on the Phase II summary of findings and conclusions STS recommends the following:

- Additional groundwater monitoring wells should be installed and sampled in conjunction with re-sampling existing wells to evaluate the horizontal and vertical extent of chlorinated VOC impacts. We anticipate that an additional 6-8 monitoring wells will be necessary to determine the extent of the impacts.
- The sludge materials should be further tested to determine the appropriate management for disposal of the wastes.

- Drummed waste stored onsite should be evaluated by a hazardous waste contractor to determine their contents and for the management of their disposal.

PHASE II ENVIRONMENTAL SITE ASSESSMENT
C & L INDUSTRIAL CLEANERS
8927 SHERIDAN ROAD
KENOSHA, WISCONSIN

1.0 PROJECT OVERVIEW

1.1 Project Description

STS Consultants, Ltd. (STS) completed a Phase II Environmental Site Assessment (ESA) of the C & L Industrial Cleaners property located at 8927 Sheridan Road in Kenosha, Wisconsin. The property is owned by the City of Kenosha and encompasses approximately 2.9 acres. The City of Kenosha, under a grant from the United States Environmental Protection Agency (USEPA) Brownfields Economic Redevelopment Initiative, authorized this Phase II ESA to facilitate potential acquisition and redevelopment of the subject site. This Phase II ESA was performed for the purpose of determining the presence and nature of contamination due to the recognized environmental conditions (RECs), identified in the Phase I ESA.

The site is located in the Northwest ¼ of the Southeast ¼ of Section 18, Township 1 North, Range 23 East, in the City of Kenosha, Kenosha County Wisconsin. The location of the subject site is depicted in Figure 1. The site boundaries are depicted in Figure 2.

The following parties are involved in this project:

Site Owner:	City of Kenosha 625 52nd Street, Room 308 Kenosha, WI 53140	Ms. Sharon Krewson Development Director (262) 653-4028
Environmental Consultant:	STS Consultants, Ltd. 11425 W. Lake Park Dr. Milwaukee, WI 53224	Ms. Lanette Altenbach Project Hydrogeologist (414) 359-3030
Drilling Subcontractor:	North Shore Drilling P.O. Box 255 Grafton, WI 53024	Mr. Russ Lein President (262) 375-8121

Analytical Laboratory:	U.S. Filter – Enviroscan 301 W. Military Road Rothschild, WI 54474	Mr. Eric Martin Quality Assurance Manager (715) 359-7226

1.2 Project History

On behalf of the City of Kenosha Department of City Development, STS completed a Phase I ESA report dated August 30, 2000 for the C&L Cleaners Site. As a result, the following site history/background was developed. The approximately 2.9 acre site is occupied by a main building (approximately 1,250 square feet) with attached garage (approximately 5,150 square feet) and a storage shed (approximately 625 square feet). The buildings are located within the western one-quarter of the property. East of the buildings the property is vacant. Piles of concrete rubble and miscellaneous debris are present on the eastern portion of the property. The building was occupied by C&L Industrial Cleaners from 1967 to 1995 and by BBL Barrel Company in 1998. It is not known how the property was used prior to 1967. According to Ms. Sharon Krewson of the City of Kenosha, C&L Industrial Cleaners cleaned carpets for building entrances. It is not known is C&L Industrial Cleaners was involved in cleaning other types of materials or what type(s) of cleaning processes were used. The BBL Barrel Company sold industrial supplies.

The Phase I ESA identified the following recognized environmental conditions in connection with the property:

- Several pits in the floor of the main building and garage contained either sludge of unknown composition, a rust-like substance, or water.
- The south and east sides of the shed were lined with 55-gallon drums. Some of the drums had covers. Drums with covers were not opened. Drums without covers contained used one-gallon paint cans, concrete rubble, and miscellaneous refuse.

Potential recognized environmental conditions associated with the property include the following:

- Solvents and other chemicals were used on one property to the north and one property to the south of the subject property. WDNR files for both of these sites indicate potential dumping and improper handling of wastes.
- The adjacent property to the north was observed to have an aboveground storage tank (AST). This AST was not registered with the State and its contents are not known.
- Mounds of concrete rubble were present east of the buildings.

2.0 METHODS OF INVESTIGATION

The investigative procedures used in this site investigation were consistent with the procedures described in the Sampling and Analysis Plan (SAP), dated March 14, 2001 and the Quality Assurance Project Plan (QAPP), dated March 1, 2001, except where noted below. A brief summary of the work is provided below:

- A drum inventory was conducted to obtain general information on the numbers, locations, condition and apparent contents of drums present on-site.
- Samples collected from the six accessible pits located within the building were analyzed for PCBs, metals, VOCs and PAHs.
- Five test pits were conducted on the undeveloped portion of the site.
- Five geoprobes were conducted within the building.
- Thirteen soil borings were advanced using conventional drilling techniques, adjacent to the building and in the undeveloped portion of the site.
- Six of the above soil borings were completed as water table monitoring wells. The wells were constructed, developed, purged, sampled and surveyed in accordance with WDNR guidelines and NR141 code requirements.

2.1 Drum Inventory

An inventory of drums present on the site on April 23, 2001 was conducted as part of this investigation. The inventory includes the collection of information on drum location, general condition, whether the drum is open or closed and, if open, the apparent contents of the drum. Sealed drums were not opened by STS personnel. Sampling of the drums is anticipated in a later phase of the site work and will be conducted by a drum disposal contractor.

2.2 Sludge Sampling

STS collected one sample of the material observed in each of the accessible pits located in the building. The sludge samples were collected on April 23, 2001. Pits #1, 4, 5, 6 and 7 contained a relatively solid sludge and were therefore sampled using a stainless steel scoop. Pit #3 contained liquid with a thin immiscible floating layer and was sampled using a disposable bailer. Pit #2 was not accessible for sampling. Samples from the pits were analyzed for polychlorinated biphenyls (PCBs), metals, volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs).

2.3 Test Pits

Five test pits were conducted on April 23, 2001 on the undeveloped portion of the site. A.W. Oakes and Son conducted the test pits as a subcontract backhoe operator to STS. The locations of the test pits are shown on Figure 3. TP-1, TP-2, TP-3 and TP-5 replaced proposed borings B-10, B-13, B-14 and B-8, respectively. The test pits extended approximately 8 to 10 feet below the ground surface. The test pits were visually evaluated by an STS Field Hydrogeologist. Samples of representative soil/fill material were collected from the backhoe bucket and were screened in the field with a photo-ionization detector (PID). One soil sample from each test pit was selected for laboratory analysis for metals, PAHs and VOCs. Test pit logs were completed for each test pit and are provided in Appendix A. The test pits were backfilled with the material that was removed and replaced in approximately the same order as removed.

2.4 Geoprobe Sampling

Five geoprobes were conducted within the building on April 30, 2001 to evaluate subsurface conditions in connection with the RECs identified in the building. Soil probes were advanced to approximately 16 feet below the ground surface. Soil samples were collected continuously at two-foot intervals and screened in the field using a PID with a 10.6 eV lamp for the presence of volatile organic compounds (VOCs). Duplicate soil samples were collected from each interval for soil classification purposes. The soil information was documented on boring logs. Soil samples with the highest PID reading, soil with obvious visual or olfactory indications of contamination, and/or soil samples from just above the groundwater table at each soil probe were submitted for laboratory testing. Two soil samples from each probe location were submitted for laboratory testing for VOCs, PAHs and metals.

One groundwater sample was collected from each of the probe locations on May 1, 2001. A temporary PVC well screen was inserted into the probehole. The groundwater samples were collected from the temporary well using a peristaltic pump with low flow sampling technique. The water samples were analyzed for metals, VOCs and PAHs. The soil probes/temporary wells were abandoned by pulling the PVC riser/screen and then filling with chipped bentonite after use. Geoprobe boring logs and abandonment forms are provided in Appendix B.

2.5 Soil Borings

A total of 13 soil borings were completed on the site between April 20 and May 2, 2001 to evaluate 1) a release outside of the building, particularly in the vicinity of the outside drum storage areas; 2) the characteristics of the on-site fill material; and 3) the potential for contamination due to off-site RECs. The final boring locations are shown on Figure 3.

Proposed borings B-8, B-10, B-13 and B-14 were replaced with test pits TP-5, TP-1, TP-2 and TP-3, respectively, as allowed for in the Sampling and Analysis Plan.

Soil borings were advanced using a truck mounted drilling rig equipped with 4-1/4 inch ID hollow-stemmed augers to a depth of approximately 15 feet below the ground surface. Soil samples were collected from the ground surface and at 2.5-foot intervals through the maximum depth of each boring using conventional split-spoon methods. Soil boring logs are provided in Appendix C. In general, two soil samples per boring location were submitted for analytical testing. Soil sample handling and presentation methods as described in Section 5.3 of the QAPP were followed. Soil samples were analyzed for metals, VOCs and PAHs by U.S. Filter-Enviroscan. Soil borings not completed as monitoring wells were abandoned in general conformance with Wisconsin Administrative Code NR141 and documented on form 3300-5B (see Appendix C).

2.6 Groundwater Monitoring Wells

Six groundwater monitoring wells were installed and sampled at boring locations B-3, B-5, B-6, B-7, B-12 and B-16. The monitoring well locations are shown on Figure 3. The wells were installed to evaluate groundwater quality, particularly with respect to the overall industrial cleaning operations, the drum storage areas, the fill area and the off-site RECs.

Groundwater monitoring wells were installed and developed in general accordance with NR141 of the Wisconsin Administrative Code (WAC). The wells were placed so that the well screen would intersect the water table. Each of the monitoring wells was completed to an approximate depth of 15 feet. The actual well construction details are provided in Appendix D. The monitoring wells were completed with a 10-foot long factory slotted (0.10 inch) PVC well screen with solid PVC riser. The monitoring wells were completed above grade and protector pipes were placed around the wells as necessary. The typical well installation procedures and well development procedures as provided in Appendix 2 of the QAPP were followed.

On May 14, 2001, one round of groundwater samples was collected from the six monitoring wells. The groundwater samples were analyzed for dissolved metals, PAHs and VOCs. The procedures that used for sample collection are documented in Appendix 2 of the QAPP.

2.7 Surveying

STS completed a site survey to determine the locations and elevations of all soil borings and monitoring wells under the direction of a registered land surveyor. Geoprobe™ locations were determined by an Environmental Technician relative to existing building features as shown on Figure 3. Locations were determined relative to existing landmarks and elevations relative to mean sea level.

2.8 Investigative Waste Handling

Soil and groundwater generated during the drilling, well development, and sampling of the proposed borings/wells was to be drummed if elevated PID readings or visual or olfactory observations indicated contamination is present. Soil from borings B-5 and B-6 was drummed due to elevated PID readings and noticeable odor in the upper 4 feet of the borings. Drummed soil generated during this investigation was labeled and stored onsite.

2.9 Quality Assurance/Quality Control Sample Collection

In order to assess the representativeness and quality of field collected samples, it is necessary to incorporate a method of comparison into the sampling program. This is accomplished by the use of field blank, trip blank, equipment blank and duplicate samples. A discussion concerning the type, frequency, and method of preparation for QA samples is presented in Section 3.6 of the QAPP. Two blank and two duplicate samples were collected for this project.

3.0 SITE GEOLOGIC AND HYDROGEOLOGIC SETTING

Published geologic and hydrogeologic information was reviewed to assess soil and bedrock types in the area, regional groundwater flow direction, and groundwater sources. The United States Geological Survey 7.5-minute quadrangle map was used to determine general land features in the area of the subject site, to evaluate the local topography and to estimate shallow groundwater flow direction. The sources reviewed for geologic and hydrogeologic information are referenced in the text and are listed in Section 8.0 (References).

3.1 Topographic Setting

The 7.5-Minute topographic map of the Kenosha, Wisconsin Quadrangle (dated 1958, photo revised 1971) shows the parcel and vicinity features including the area topography and surface water features. Lake Michigan is located approximately 0.5 miles east of the subject site. The closest river to the site is Barnes Creek. Barnes Creek is located approximately 0.5 miles southwest of the subject site.

3.2 Geologic Setting

The native surficial soils in the vicinity of the subject site consist of the Boyer-Granby Association. The Boyer-Granby Association consists of well drained to very poorly drained soils that have a loam to sand subsoil. The Boyer-Granby Association is underlain by sandy glacial outwash on ridges and knobs and in drainageways and depressions (USDA Soil Conservation Service, 1970). Specifically, the western portion of the subject site is mapped as loamy sand and the eastern portion of the site is mapped as fine sandy loam.

Glacial till deposits found below the surficial soils in the subject vicinity are mapped as the Pleistocene Age Oak Creek Formation (Mickelson, 1984). The glacial ice of the Lake Michigan lobe deposited the till of the Oak Creek Formation. The Oak Creek Formation consists of fine-grained glacial till, lacustrine clay, silt, sand, and some glaciofluvial sand and gravel. The underlying bedrock is the Silurian Niagara Dolomite. Bedrock is anticipated to be between 50 and 100 feet below ground surface (Trotta and Cotter, 1973).

Based on the soil samples collected from the test pits, geoprobes and soil borings conducted as part of this Phase II, the site is underlain by up to eight feet of fill materials (see TP-3 in Appendix A). The fill includes silty fine to coarse sand, wood, concrete, asphalt and in three locations was observed to contain tires, hubcaps and/or other miscellaneous car parts. Below the fill, layers of organic silt, silty fine sand, silty fine to coarse sand, silt and silty clay were observed. No distinct soil type appeared to be contiguous across the site.

3.3 Hydrogeologic Setting

Based on the six NR141 groundwater monitoring wells installed and monitored on the site, groundwater is approximately 5 to 8.5 feet below ground surface on the subject site. Groundwater flow is primarily to the east, as shown on Figure 5. It is difficult to determine, due to the site configuration, whether there is a northerly or southerly component of flow on the site. Likewise there is no information as to vertical flow. A summary of groundwater elevations is provided on Table 1.

The subject site is serviced by the City of Kenosha municipal water supply and sanitary sewer. The City of Kenosha uses Lake Michigan for its potable water supply.

4.0 DATA QUALITY ASSESSMENT

4.1 QA Evaluation of Field Data

Three brownfield sites in Kenosha were included under the Quality Assurance Project Plan (QAPP) prepared for this project. The field investigative work was performed consecutively at the three sites. In conformance with the QAPP an internal field audit was performed on the third day of field sampling for the C& L Industrial Cleaners site. The results of the field audit are provided in Appendix E. The corrective actions undertaken as a result of the internal audit were continued throughout the remainder of the field activities.

Other activities to evaluate the field data took place on a daily basis and included the following actions by the project manager or her designee.

- Reviewing the field logs and field notes;
- Checking and comparing the sample jar labels to the chain of custody before delivery of the samples to the laboratory; and
- Reviewing the acknowledgment of receipt of the samples by the laboratory.

Additionally, the project manager (or her designee) were in daily contact with the field staff to discuss field conditions and the selected sample locations. Minor adjustments to soil boring locations were made to accommodate field conditions.

Upon review of the field data, all of the field data is considered useable.

4.2 QA Evaluation of Laboratory Data

Samples from the Kenosha Brownfields C&L Cleaners site were collected from April 23 to May 14, 2001 and were submitted to U.S. Filter on STS or U.S. Filter Chain of Custody forms. U.S. Filter issued five analytical reports, grouping the sample submittals as follows:

U.S. Filter Report No.	Chain of Custody Nos.	Sample Dates
069106	U.S. Filter COC	April 23, 2001
069832	33252, 33253, 33247	April 30, 2001
070021 (revised 6/20/01)	33270, 29095	May 1, 2001
070153	33272	May 2, 2001
071182	26875	May 14, 2001

Samples consisted of sludges soil and groundwater tested for some or all of the following: PCBs, PAH, VOCs, and metals (antimony, arsenic, barium, cadmium, chromium, copper, lead, nickel, selenium, silver, mercury).

The U.S. Filter analytical reports and supporting data were evaluated in accordance with Sections 9.2, 9.3, 9.4, 9.5 and 12.3 of the Final Approved Quality Assurance Project Plan. This technical memorandum discusses the results of that evaluation, and is organized by QAPP section reference.

4.2.1 Data Reporting

The QAPP specified that the U.S. Filter laboratory data will not be issued until it has been reviewed by U.S. Filter. The STS QA Manager then reviewed the U.S. Filter reports to determine whether they met the reporting requirements specified in the QAPP. Each of the five reports was signed by one of the U.S. Filter analysts involved in the specified analyses and was also approved by the Laboratory Manager, Mr. James Salkowski.

The reports included the elements specified in the QAPP, with the exception of stating in the report the name and company of the person or persons who performed the in-field sampling. This information is provided on the Chain-of-Custody forms that are attached at the back of each of the three reports. This deviation from the QAPP does not adversely affect data quality.

4.2.2 Data Review, Validation, and Verification Requirements

Sample Handling - The U.S. Filter reports included a "Sample Receipt Report" which provides information such as whether the samples were received warm, after the holding time had elapsed, broken, or open; and whether soil samples for VOCs were within sample weight tolerances or required additional methanol. Additional methanol was added to some of the soil-VOC samples, but none of the samples arrived in a state that required the samples be discarded or the analytical results flagged.

Additional comments on samples were made in the Case Narratives that accompanied each report. None of the information in the Sample Receipt Reports or Case Narratives adversely affect the data usability.

A "Sample Narrative" was provided for samples CL-P1-SL010423, CL-P4-SL010423, CL-P5-SL010423, and CL-P7-SL010423 submitted for PCBs. The sample narrative stated that the physical characteristics and/or high levels of interfering compounds required that clean-up techniques be applied to the sample extract and that the sample extract was diluted for analysis. Cleanup techniques may result in some loss of analyte (depending upon the interfering compound and physical nature of the sample), and diluting the extract results in higher detection limits. The results for these samples may be biased low, or analytes may have been masked or diluted out.

Analytical Procedures – Analyses of soil samples were performed using the methods specified in the QAPP: VOCs were analyzed according to method 8021; PAHs according to method 8310; metals according to method 6010 (with the exception of 7471 for mercury, and 7041 for antimony); and polychlorinated biphenyls according to method 8082.

Water samples were analyzed using the same methods, except the analyses for VOCs and the following metals: antimony, arsenic, cadmium, lead, and selenium. Analysis for VOCs was performed according to Method 8260 rather than 8021 because the gas chromatograph for the 8021 analysis was inoperable due to contamination. In order to meet the sample holding times, the VOCs were analyzed by method 8260. The laboratory SOP for 8260 was reviewed and approved by EPA prior to the analyses being completed. The five metals were performed using graphite furnace atomic absorption methods (which were not included in the QAPP) so that detection limits near the Wisconsin groundwater quality standards could be met. A copy of the SOPs for these methods is provided in Appendix E.

Quality Control – The laboratory analyses were performed using the quality control procedures specified in the QAPP. In general, the quality control measurements fell within the control limits. For some analyses and some samples, one or more quality control measurements either fell outside control limits or exhibited a high or low bias, and the sample data were flagged appropriately.

Measurements exhibiting a high or low bias included matrix spike recoveries, relative percent difference (RPD) for duplicate analyses, and check standards. Because the soil samples are non-homogeneous, high RPD is common. Non-homogeneity of soil samples cannot be overcome entirely because samples to be analyzed for VOCs and SVOCs should not be handled or mixed excessively. Excessive handling can result in loss of analytes. High RPD in analysis of soils for metals is partly due to the fact that only a very small sub-sample (a few grams) is analyzed for the metals.

The surrogate recovery was low for several of the PAH and VOC samples. Since the surrogate is a measure of the extraction or purging efficiency of each specific sample, the surrogate recovery may be the best indicator of any bias in the sample data. The data for affected samples were flagged accordingly to indicate that the results may exhibit a low bias. The following samples had low PAH surrogate recovery: P3-W010423 and P6-SL010423. The following samples had low VOC surrogate recovery: CL-B05-S01, CL-B05-S02, P3-W010423. A low bias in analyte recovery may mask some analytes that are actually present above regulatory thresholds.

In a few cases, measurement for check standards or laboratory control samples exhibited a low or high bias. The QAPP (see SOPs) allows for reporting of associated data, provided the data are flagged and the potential effects on data quality are noted.

In general, for the parameters and quality control measurements of concern, either the sample results were sufficiently above or below regulatory thresholds that an undetermined high or low bias in the data would not impact interpretation of data and soil quality. In other cases, no regulatory threshold exists for the parameter in question. Specific parameters and samples are identified in the analytical reports.

Calibration – The calibration data were not provided in any of the analytical reports. The QAPP allows either the U.S. Filter QA Manager or the STS QA Officer to evaluate the adequacy of the calibration data. The laboratory manager's signature on the analytical reports constitutes approval of the calibration data.

The laboratory quality assurance manual and the SOPs (except SOPs for graphite furnace analyses for selected metals) were reviewed by STS to determine what quality assurance procedures are required with respect to instrument calibration. According to the SOPs provided by U.S. Filter and included in the QAPP, the calibration standards used appropriately bracketed the range of analyte concentrations observed in the samples, or the samples were diluted to bring the concentrations within the range of the calibration curve. The SOPS require the U.S. Filter analyst to review the calibration data and verify that the calibration curves are acceptable, and that results of the calibration checks fell within the acceptable range.

4.2.3 Data Validation and Verification and Reconciliation with Data Quality Objectives

Samples were shipped, preserved, and received in accordance with the procedures outlined in the QAPP. Extractions and analyses were completed within the holding times and according to the methods specified in the QAPP. Where QC measurements fell outside control limits or indicated a potential bias in the sample results, sample data reports were flagged accordingly. For some of the PAH and VOC analyses, low bias in sample results (indicated by low surrogate recoveries) may be masking exceedances of regulatory thresholds for additional PAHs or VOCs.

Some of the samples were diluted to bring the target analytes within the range of the calibration curve, or to control interference from non-target analytes present in the samples at high concentrations. As a result, the detection limits of some parameters were elevated. For some of the samples tested for PCBs, detection limits on the order of 20 mg/kg (CL-P7-SL010423) to 400 mg/kg (CL-P1-SL010423) pose difficulties in determining the best disposal options for the samples. The PCB detection limits for CL-P1-SL010423 make this data point unusable. The PCB detection limits for these samples were discussed with the U.S. Filter laboratory QA Manager, Eric Martin. Mr. Martin indicated that the elevated detection limits were a result of the sample matrix and that the laboratory could not attain lower limits using EPA-approved methods. A copy of a memo from Mr. Martin in response to this issue is provided in Appendix E. It was decided that resampling would be preferred over using non-approved or non-validated techniques.

With the exception of the PCB data, detection limits were not elevated to a point where the usability of the data was adversely affected. Data qualifiers have been used to guide the project manager in interpreting data. The data qualifiers do not render the data unusable. Sufficient high quality data are available for each matrix and parameter to allow the project manager to make appropriate decisions for the project.

4.2.4 Completeness

All analyses were completed as requested and in accordance with the QAPP. All data was considered usable except for one PCB analysis, as discussed above. Completeness = 99.4% for the C&L Cleaners site.

4.3 Data Quality Objectives

The data quality objectives for this project were to evaluate the identified recognized environmental conditions and to collect samples to evaluate if contamination of the subsurface had occurred at the site of the recognized environmental condition. The field and laboratory data sets have been validated as useable with the exception of one PCB analysis as described above. The data has met the data quality objective because an evaluation of each recognized environmental condition with respect to potential subsurface contamination is possible and is discussed in the Section 5. Conclusions obtained from the data analysis are provided in Section 6.

5.0 INVESTIGATION RESULTS

5.1 Drum Inventory

A total of 44 drums were observed and documented on the site on April 23, 2001. A drum inventory summary is provided as Table 2. The designated drum locations and numbers, as referenced in Table 2, are shown on Figure 3. Nineteen of these drums were observed to be empty. Of the remaining 25 drums, 15 were closed and therefore the contents are unknown. Five of these were labeled "A1 mag Oil", but it is unknown whether this represents a new or waste material, or whether the contents actually reflect the labeling at all. The remaining 10 drums were open and contained various wastes including paint cans, concrete rubble, wood, glass, oil containers, rags, spray cans, plastic sheeting, brake fluid containers, plastic, buckets, rope, paper, and carpet. The majority of these materials can likely be disposed as solid waste, or even recycled. A few of the items, such as paint cans, spray cans and used oil and brake fluid containers, may require special handling.

All closed drums will need to be tested by a hazardous waste contractor to determine their contents and disposal requirements. Open and empty drums should be evaluated for disposal by a solid waste contractor.

5.2 Sludge Sampling Results

The results of the Pit Sludge Testing are summarized on Table 3. Six of the seven pits were sampled. Pit #2 appears to have been filled with concrete and therefore could not be sampled. Pits #1, #4, #5, #6, and #7 contained relatively solid sludges and were thus analyzed as solids. Pit #3 contained liquid and thus was analyzed as a wastewater. The pit locations and respective pit numbers are shown on Figure 2. Copies of the laboratory reports are provided in Appendix F.

The sample results from Pit #3 were compared directly to the TCLP regulatory levels. None of the constituents detected from this sample exceeded any of the TCLP regulatory levels for the parameters tested.

The solid samples collected from Pits #1, #4, #5, #6 and #7 were compared to a theoretical TCLP limit. For solid samples, a twenty-fold dilution is incorporated into the TCLP analytical method. Therefore, only solid samples having in excess of 20 times the TCLP regulatory limit could theoretically exceed their respective TCLP limit. All five of these pit samples contained concentrations of cadmium, chromium and lead which could theoretically exceed their respective TCLP limits. In addition the sample from Pit #1 contained barium and selenium concentrations that could theoretically exceed the TCLP limits. The sample from Pit #7 contained selenium and tetrachloroethylene (PCE) that could also theoretically exceed the TCLP limits.

The reported concentration of PCE (67.5 mg/kg) in Pit #7 is significant more so because it is indicative of the use of PCE as a cleaning solvent on the site. As such, waste on this site containing PCE, may be classified as a listed hazardous waste (U210 or F002) under NR605.09, including spill residues and contaminated soil (as per NR605.09(3)(a)4), depending on the nature of the spill.

5.3 Soil Analytical Results

Soil samples were collected from the five test pits, located within the eastern two thirds of the property, the five geoprobes located within the building and the other 13 soil borings located across the whole site. Sample locations are shown on Figure 4. Samples were analyzed for select metals, VOCs and PAHs. The analytical testing results are summarized on Table 4 and are discussed further below. Copies of the analytical laboratory reports are provided in Appendix F.

5.3.1 Metals Results

The concentrations of metals detected in the soil samples were compared to the NR720 Residual Contaminant Levels (RCLs) which are based on protection of human health due to direct contact in both industrial and non-industrial settings. In general the metals concentrations on the subject site are low. Arsenic and lead were the only metals to exceed RCLs.

Arsenic was detected in each of the samples tested. Concentrations were detected from 1.14 to 9.89 mg/kg. The arsenic concentrations exceeded the direct contact RCL for non-industrial sites in every sample analyzed and for industrial sites in all but three of the samples collected. These concentrations are within the range generally accepted as representative of background conditions in this area of Wisconsin. The arsenic concentrations do not represent contamination, or a release on the subject site.

Two soil samples exceeded the non-industrial RCL for lead. The industrial RCL was not exceeded for any of the samples tested. The elevated lead results were reported in samples B02-S02 (461 mg/kg) at 2 to 4 feet below ground surface and B09-S03 (71.7 mg/kg) at 5 to 7 feet below ground surface. These concentrations are greater than the non-industrial direct contact RCL, but less than the industrial direct contact RCL. Proper material management will be necessary during remediation or redevelopment. If significant grading were to occur and the site were proposed to be used for non-industrial purposes, additional investigation of these lead concentrations would be recommended. Although elevated levels of lead were also reported in the pit sludge samples, as discussed above, there appears to be no distinct pattern of lead occurrence in the soil which would indicate a major release or disposal of lead wastes on the site.

5.3.2 PAH Results

The concentrations of PAHs detected in the soil samples were compared to the Suggested Generic Residual Contaminant Levels (RCLs) for protection of groundwater quality and protection of human health due to direct contact on both industrial sites and non-industrial sites. In general the concentrations of PAHs were low. Several PAHs were detected in roughly one-half of the samples collected from the site. Direct contact RCLs for non-industrial sites were exceeded for benzo(a)anthracene, benzo(b)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and ideno(1,2,3-cd)pyrene. Direct contact RCLs for industrial sites were exceeded in only two samples: benzo(a)pyrene at B-4 and dibenzo(a,h)anthracene at G-5. No apparent pattern was observed in the soils relative to sample depth, soil type or apparent source area. No Groundwater Pathway RCLs were exceeded in any of the samples.

5.3.3 VOC Results

The concentrations of VOCs in the soil samples were compared to NR720 RCLs, which were developed for the protection of groundwater quality, where available, and were compared to EPA's Region IX Preliminary Remediation Goals (PRGs) for direct contact and migration to groundwater. The PRGs are risk-based values that consider ingestion, inhalation and dermal contact as potential exposure pathways and are thus relatively conservative and consistent with the intent of Wisconsin's NR720. The samples were also screened in the field using a PID equipped with a 10.6 eV lamp; however, no elevated readings (>10 PID units) were measured. The VOCs detected in the soil samples consisted of both petroleum-related VOCs and chlorinated VOCs.

The petroleum-related volatile organic constituents (PVOCs) detected in the soil samples include ethylbenzene, toluene, xylene, 1,2,4-trimethylbenzene, naphthalene, n-butylbenzene, and sec-butylbenzene. The majority of these detects were observed in the drum storage areas (at B-5 and B-6), located near the shed, adjacent to a floor drain within the building (G-5) and one isolated PVOC detection located at B-9 in the undeveloped portion of the site. These detections are likely a result of small quantities of petroleum-related products. The concentrations had no distinct pattern relative to sample depth. The distribution of the PVOC concentrations is shown on Figure 6. None of the PVOC concentrations detected exceeded NR720 RCLs or EPA Region IX PRGs.

The chlorinated VOCs detected in the soil samples include tetrachloroethylene (PCE) and its breakdown products, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, trichloroethylene and vinyl chloride. The highest concentrations of PCE in the soil (132 and 322 mg/kg) were observed in the two soil samples collected from G-1, located adjacent to Pit #7 in the main building. It is likely that Pit #7 or activities that occurred very close to Pit #7 represent a source of PCE. Within the building concentrations of PCE generally decreased to non-detectable with distance from Pit #7. It appears that other sources of PCE may have been present within the building based on the PCE concentration at G5-S01. G5-S01 is a surficial

soil sample. With no possible transport mechanism between Pit #7 and G5, a second release in this area is apparent. Outside the building concentrations of PCE were detected at B-2, northeast of the building; B-5 and B-6, located in observed drum storage areas; and at TP-5 and B-11, located a considerable distance away from the building. With the exception of TP-5 S04, which was collected below the fill material, soil samples collected from these other locations were from at or just below the ground surface. This suggests that there may have been spillage or leakage of PCE outside the building. Chlorinated VOCs were not detected near the eastern property boundary as was suspected due to potential off-site sources. The distribution of the chlorinated VOCs in the soil is shown on Figure 7.

Because NR720 does not specify generic RCLs for the chlorinated VOCs, STS compared the results to the EPA Region IX Preliminary Remediation Goals (PRGs) for these parameters. Exceedances of the PRGs for migration from soil to groundwater occurred for cis-1,2-dichloroethylene in three soil samples; for PCE in 14 soil samples; for trichloroethylene in four soil sample; and for vinyl chloride in one soil sample. The two soil samples collected from G-1, near Pit #7, also contained PCE concentrations that exceeded the PRG for direct contact at residential and industrial sites. One sample, from B-6, also contained vinyl chloride that exceeded the PRG for direct contact at residential sites.

It should also be noted that the very high concentrations of PCE at G-1 (132 and 322 mg/kg) could potentially represent TCLP hazardous waste. If these soils were excavated or moved during development or remediation, they could be subject to the solid and hazardous waste regulations. As discussed in Section 5.2, solid wastes having total concentrations in excess of 20 times the TCLP regulatory limit could theoretically exceed their respective TCLP limit. For PCE the TCLP limit is 0.7 mg/l and the corresponding theoretical limit for total concentration would be 14 mg/kg, considerably lower than the reported concentrations at G-1. This is significant, as it likely will affect any remedial action plans and their respective implementation costs. Also discussed in Section 5.2, contaminated soil could potentially be considered "listed" hazardous waste (U210 or F002) depending on the nature of the spill.

5.4 Groundwater Analytical Results

The groundwater samples were analyzed for VOCs, PAHs and select metals. The laboratory analytical results and groundwater quality standards (NR 140.10) for the groundwater samples collected from the monitoring wells are summarized in Table 5. Copies of the analytical laboratory reports are provided Appendix G.

The groundwater sample laboratory results are compared to Wisconsin's groundwater quality standards established in Wisconsin Administrative Code NR 140, Table 1. Wisconsin has two levels of groundwater quality standard. The first level, the preventive action limit, is a concentration that is 10% (for carcinogenic, mutagenic or teratogenic compounds) or 20% of the enforcement standard. The PAL has been established as the concentration at which notification to the WDNR is required. Remedial action is not always required if a preventive

action limit is exceeded. The enforcement standard is a health-risk based concentration and exceedance of enforcement standards usually results in further subsurface investigation, remedial action requirements, or monitoring.

The metals concentrations in the groundwater samples were generally low. There were no ES or PAL exceedances for any of the metals except for nickel. The PAL was exceeded at temporary well G-3 and at well B-6. The ES was exceeded at temporary well G-4. Typically metals and PAHs that easily bind to soil particles have slightly higher apparent groundwater concentrations when sampled from a temporary well or open borehole, due to silt particles that may be present in the samples. Additional sampling for nickel in permanently constructed wells may show that nickel is not a contaminant of concern for the site.

The PAH concentrations in the groundwater samples were also low. All of the NR141 groundwater monitoring wells, as well as temporary wells G-1, G-2 and G-4, had no detectable PAHs. Temporary wells G-3 and G-5 had detectable levels of several PAHs, including PAL exceedances for benzo(a)pyrene and chrysene and ES exceedances for benzo(b)fluoranthene. At G-5, the soil samples also contained most of these same PAHs, none of them at levels exceeding the RCL for protection of groundwater. This would suggest, similar to the metals discussed above, that these PAHs were actually bound to the sediment suspended in the groundwater sample and not a true reflection of groundwater quality. It does not appear that PAHs are a contaminant of concern in the groundwater at the subject site.

The VOCs detected in the groundwater at the subject site are primarily the chlorinated VOCs, including PCE, TCE, DCE and vinyl chloride. Benzene was also detected in two groundwater samples (B-6 and B-7); however, it was 1) detected below the laboratory quantitation limit, 2) not confirmed in the duplicate sample for B-7, and 3) below the PAL in both samples. Benzene is not, therefore, considered a contaminant of concern in the groundwater of the subject site.

The distribution of chlorinated VOCs is shown on Figure 8. The highest concentration of PCE (27,200 ug/l) was reported in temporary well G-1, located adjacent to Pit #7, on the west end of the building. This is consistent with the pit sludge results (see section 5.2) and the soil sample results (see section 5.3.3) at this location. The PCE concentrations drop off dramatically to the east with primarily the breakdown products (DCE, TCE and vinyl chloride) being detected in the down-gradient wells. Elevated levels of chlorinated VOCs were detected in the groundwater at B-12, far down-gradient of the apparent primary source area, suggesting that there may have been spillage or leakage of PCE or its breakdown products outside the building.

Concentrations of PCE exceed the ES at G-1, and the PAL at G-2 and B-3. The concentration of cis-1,2-dichloroethylene exceeds the ES at B-12. The concentrations of

vinyl chloride exceed the ES at B-5, B-6 and B-12. Based on these exceedances, the chlorinated VOCs are considered contaminants of concern for the subject site.

The extent of the chlorinated VOC impacts in the groundwater on the subject site has not been defined. Additional work is recommended to define the horizontal and vertical extent of the chlorinated VOC impacts.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The Phase II study was performed to evaluate recognized environmental conditions associated with the C&L Industrial Cleaners property located at 8927 Sheridan Road in Kenosha, Wisconsin. The following subsections present first a summary of the investigative findings for the subject site and secondly, the more generalized conclusions that answer the questions posed under the "Data Quality Objectives" section of the Sampling and Analysis Plan. These questions were:

- What areas of the site are contaminated?
- What is the nature of the contamination?
- Are the contaminant concentrations significant with respect to human health and the environment?
- Is the site developable and if so, what type of redevelopment would be allowed?
- Is remediation required for redevelopment?

The final subsection presented below will provide recommendations resulting from the summary of findings and conclusions.

6.1 Summary of Findings

The site buildings were previously occupied by C&L Industrial Cleaners and more recently by BBL Barrel Company. Reportedly, C&L Industrial Cleaners cleaned carpets for building entrances. It was not known if C&L Industrial Cleaners was involved in cleaning other types of materials or what type(s) of cleaning processes were used. Based on the results of the Phase II, it appears that a dry cleaning process using tetrachloroethylene was used on the site. The BBL Barrel Company reportedly sold industrial supplies.

The following summarizes STS' findings regarding environmental conditions discovered as a result of completing the Phase II ESA for the site:

- It appears that C&L Industrial Cleaner used the dry cleaning solvent, tetrachloroethylene (PCE) in their cleaning process. Very high concentrations of PCE were observed in the sludge from Pit #7, located in the western portion of the building, as well as in the soil and groundwater samples collected from geoprobe G-1 located adjacent to this pit. It appears that this pit, or activity conducted very close to this pit present a source of PCE on the site. A secondary source of PCE is likely near G-5, which is located adjacent to a floor drain in the main garage area.
- Based on concentrations of PCE on other areas of the site (particularly in the drum storage areas near the shed; at B-2, near the northern property line; and, at TP-5, B-11 and B-12, in the undeveloped portion of the site), spillage of PCE appears to have occurred outside the building.

- Sludge samples collected from the various pits located within the building indicate that all or at least some of the sludge material is hazardous waste as defined under NR605.09. The sludges containing PCE (Pit #4, 6 and 7) may be classified as D039, U210 or F002 listed hazardous waste. The sludge with no detectable PCE (Pit #1, 3, and 5) may also be classified as hazardous waste due to elevated levels of cadmium, chromium, lead, barium and selenium.
- An inventory of drummed wastes indicates that there are at least 15 sealed drums whose contents is either unknown or unconfirmed.
- Low levels of petroleum-related VOCs were detected in some of the soil samples collected from the site. These are likely a result of spills of small quantities of petroleum products but do not pose a significant risk to human health or the environment.
- The fill materials located on the eastern two-thirds of the site do not appear to be significantly affecting the underlying soil or groundwater quality of the site. The fill piles contained primarily concrete rubble and asphalt, as was observed on the surface. However, at TP-1 and TP-2, wood, a tire and hubcaps were observed and at TP-3, old car parts, a motor and electrical conduit were also observed. The fill material does not appear to have affected the soil or groundwater quality of the site. The materials may require removal prior to redevelopment for geotechnical or site grading purposes.
- It does not appear that the off-site UST located to the north of the site and identified in the Phase I ESA, has impacted the site, since petroleum products were not detected in either of the borings (B-1 or B-2) located near the northern property limits.
- The potential impact of the off-site sources of solvents, identified in the Phase I ESA, is not apparent from the existing soil and groundwater information. Off-site sources may or may not be contributing to the impacts observed on the subject site.

6.2 Conclusions

Based on the above summary of findings and in consideration of the DQOs outlined above and discussed further in the Sampling and Analysis Plan, STS has reached the following conclusions. Elevated concentrations of chlorinated volatile organic constituents, including PCE, TCE, DCE and vinyl chloride were detected in the sludges, soil and groundwater of the subject property. The horizontal and vertical extent of the impacts has not been determined. It appears that the source of the contamination is within or near to Pit #7 located in the northern portion of the building and is a result of the use of PCE as a dry cleaning solvent on the subject property. The contaminant concentrations are significant with respect to human health and the environment and will require additional investigation and likely some element of remedial action prior to redevelopment of the site. However, it does not appear at this time that the level of impacts would preclude redevelopment of the site.

6.3 Recommendations

Based on the Phase II summary of findings and conclusions STS recommends the following:

- Additional soil sampling should be conducted to define the extent of chlorinated VOC impacts, particularly in the vicinity of G-1, B-2, B-11 and TP-5.
- Additional groundwater monitoring wells should be installed and sampled in conjunction with re-sampling existing wells to evaluate the horizontal and vertical extent of chlorinated VOC impacts. We anticipate that an additional 6-8 monitoring wells will be necessary to determine the extent of the impacts.
- The sludge materials should be further tested to determine the appropriate management for disposal of the wastes.
- Drummed waste stored onsite should be evaluated by a hazardous waste contractor to determine their contents and for the management of their disposal.

7.0 GENERAL QUALIFICATIONS

The purpose of this Phase II Environmental Assessment is to evaluate the RECs identified in the Phase I ESA to determine whether they have impacted the soil and/or groundwater of the site. STS assumes no responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with the recommendations and/or suggestions contained in this report in no way assures elimination of hazards or the fulfillment of a property owner's obligation under any local, state or federal laws or any modifications or changes thereto. It is the responsibility of the property owner to notify authorities of any conditions that are in violation of the current legal standards.

Factual information regarding operations, conditions, and test data were obtained, in part, from the client, outside agents and third parties and have been assumed by STS to be correct and complete. Because the facts stated in this report are subject to professional interpretation, they could result in differing conclusions. In addition, the findings and conclusions contained in this report are based on various quantitative factors as they existed on or near the date of the survey.

STS has prepared this report at the request of its client, the City of Kenosha Department of City Development. STS assumes responsibility for the accuracy of the report's contents, subject to what is stated elsewhere in this section, but recommends the report be used only for the purpose intended by the client and STS when the report was prepared. The report may be unsuitable for other uses, and reliance on its contents by anyone other than the client is done at the sole risk of the user. STS accepts no responsibility for application or interpretation of the results by anyone other than the client.

This report reflects conditions, operations, and practices as observed on the date of the site visit. Changes or modifications to procedures and/or facilities made after the site visit are not included.

8.0 REFERENCES

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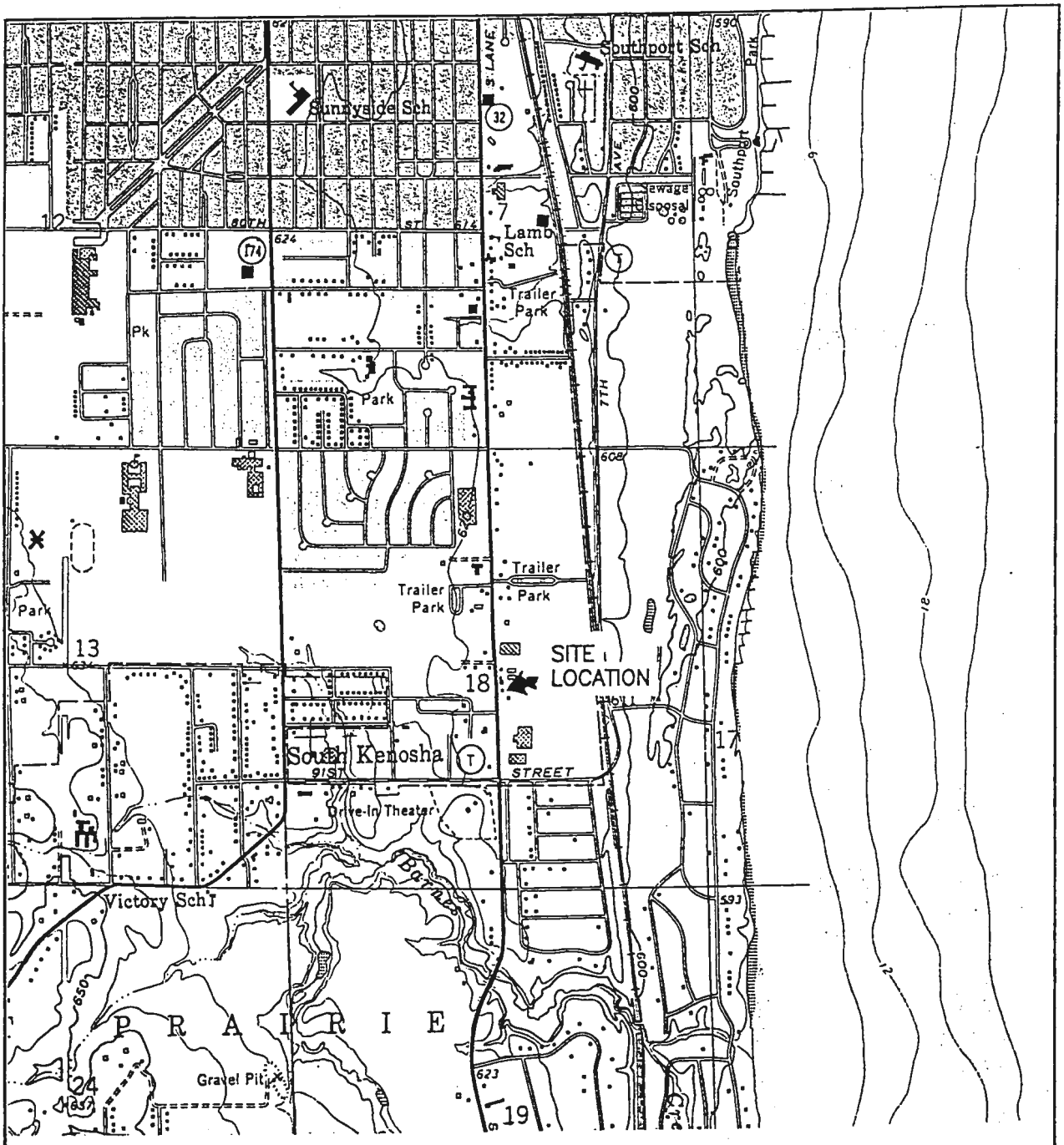
United States Environmental Protection Agency, Region 9, November 3, 2000. PRGs: What's New in 2000, 23p.

United States Geological Survey, 1958 photorevised 1971, 7.5-Minute Topographic Map of the Kenosha Wisconsin Quadrangle. Scale=1:24,000.

FIGURES

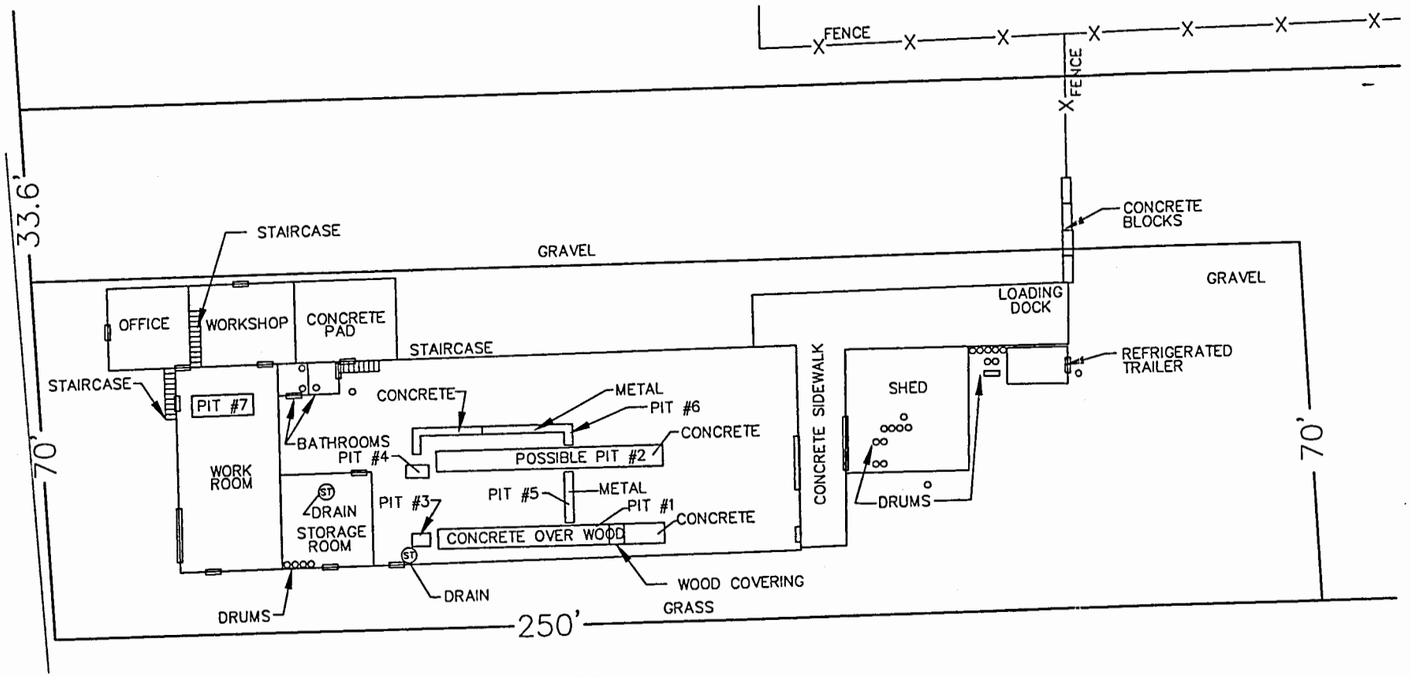


SOURCE: USGS TOPOGRAPHIC QUADRANGLE MAP: KENOSHA, WISCONSIN (1958, PHOTOREVISED 1971)

STS Consultants Ltd
Consulting Engineers

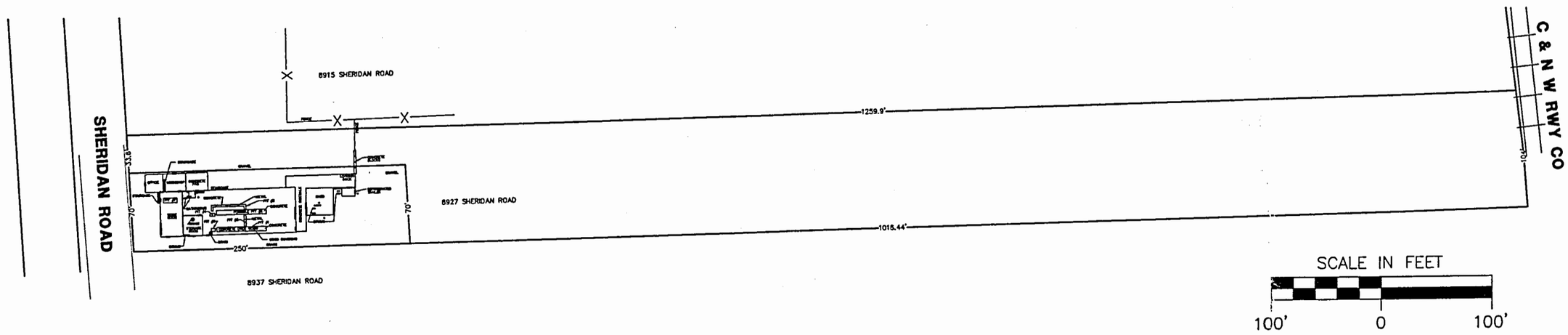
SITE LOCATION MAP
C + L INDUSTRIAL CLEANERS
8927 SHERIDAN ROAD
KENOSHA, WISCONSIN

DRAWN BY:	DATE:
CHECKED BY:	DATE:
APPROVED BY:	DATE:
FILE NO.	SCALE: 1 inch = 2,000 feet
STS PROJECT NO. 86415XA	FIGURE NO. 1



APPROXIMATE
SCALE IN FEET

30' 0 30'



SCALE IN FEET

100' 0 100'

NO.	DESCRIPTION	DATE	BY
1	LOCATED SOIL BORINGS & MON. WELLS	6/20/01	DMV

DESIGNED BY BJB — DATE 10/02/00
DRAWN BY LMD — DATE 10/02/00
APPROVED BY TMK — DATE 10/02/00
CADFILE W:\86415\XB2000\dwg\86415XB2000000.dwg
XREF
LMAN

SITE AND BUILDING LAYOUT
C & L INDUSTRIAL CLEANERS
8927 SHERIDAN ROAD
KENOSHA, WISCONSIN

STS Consultants Ltd.
Consulting Engineers
11425 W. Lake Park Dr.
Milwaukee, WI 53224
414.359.3030

STS PROJECT NUMBER
86415XB2000

STS PROJECT FILE

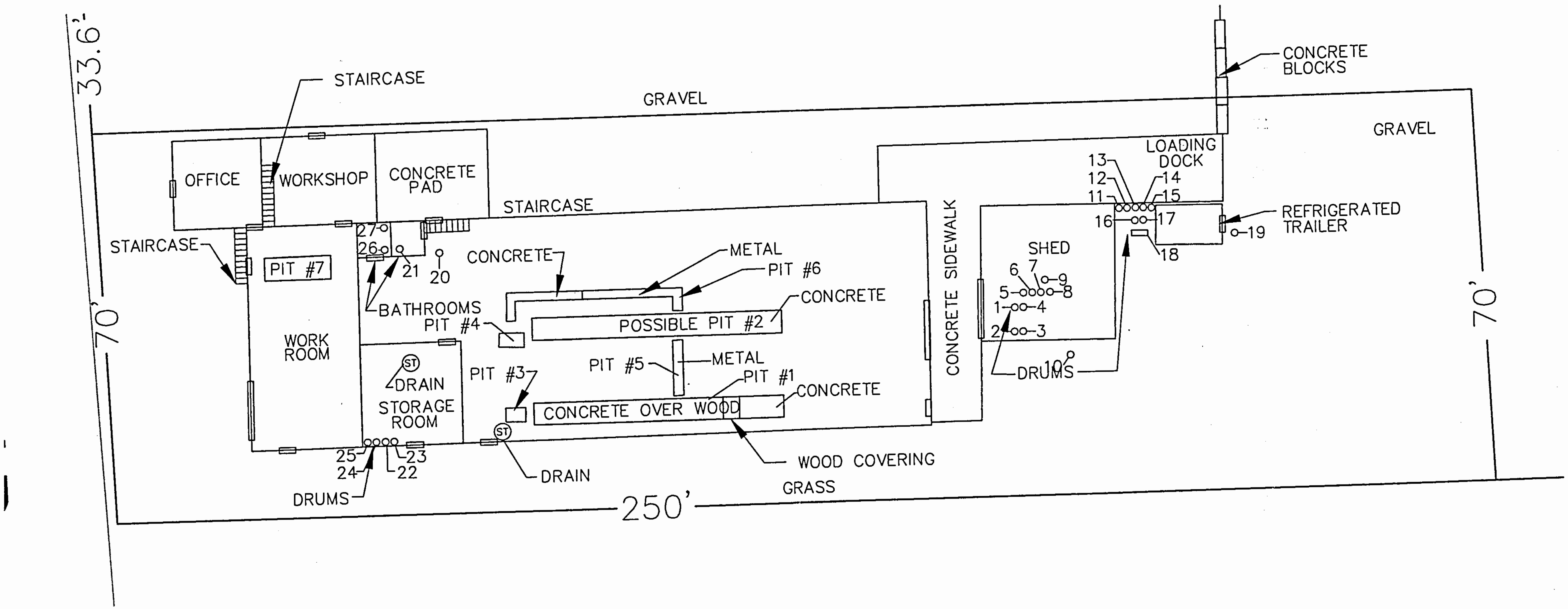
SCALE
APPROX. 1"=100'

SHEET NUMBER
2

LEGEND

o–9 DRUM LOCATION WITH DRUM NUMBER DESIGNATION AS INDICATED IN TABLE 1

NOTE:
DRUMS #28–44 WERE OBSERVED NEAR THE SOUTHEAST CORNER OF THE SITE. ALL WERE OPEN, EMPTY STEEL DRUMS.



APPROXIMATE SCALE IN FEET

20' 0 20'

REVISION NO.	DESCRIPTION	DATE	BY
1	LOCATED SOIL BORINGS & MON. WELLS	6/20/01	DMV

DESIGNED BY BJB DATE 10/02/00

DRAWN BY LMD DATE 10/02/00

APPROVED BY TWK DATE 10/02/00

DRUM LOCATION DIAGRAM
C & L INDUSTRIAL CLEANERS
8927 SHERIDAN ROAD
KENOSHA, WISCONSIN

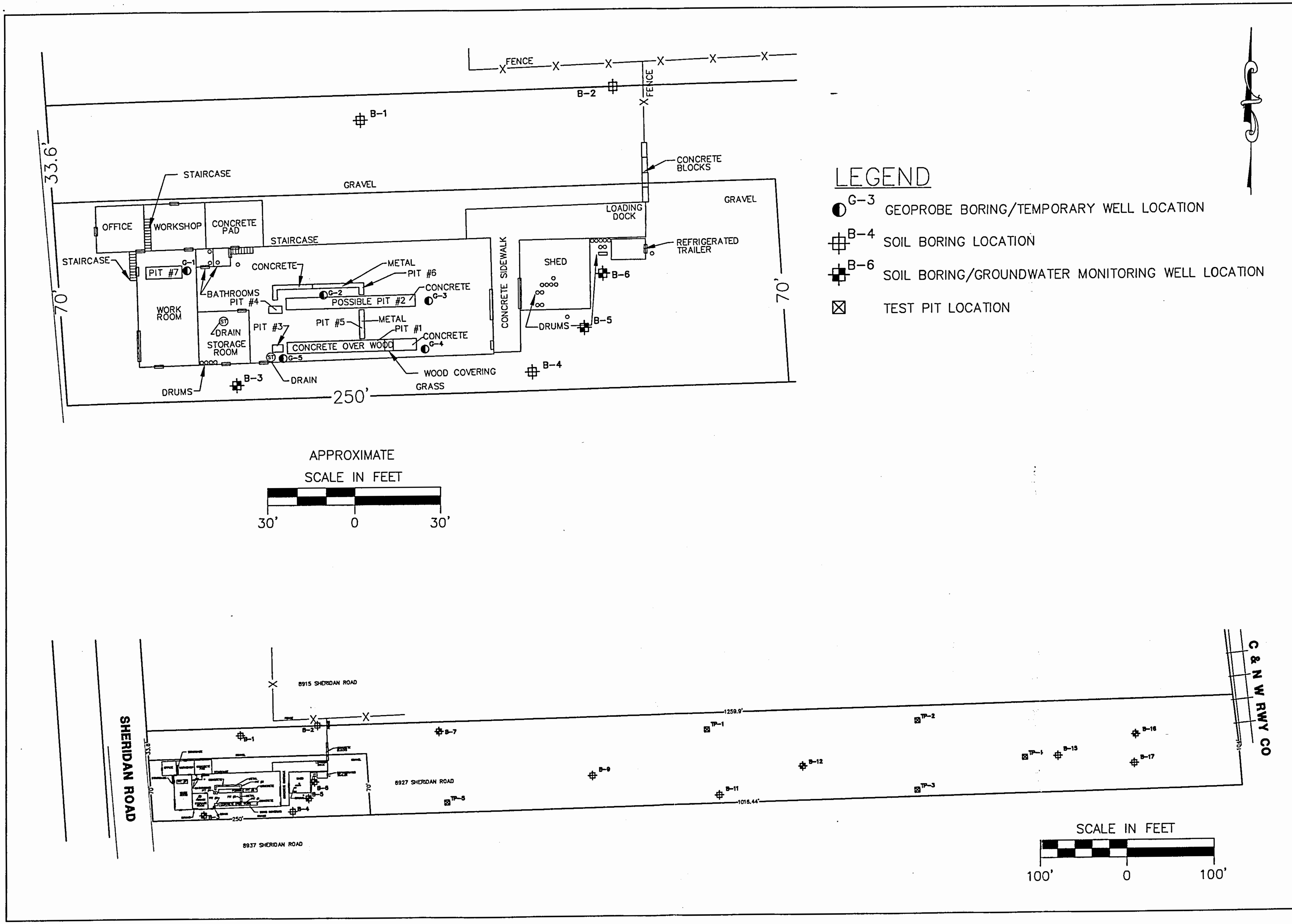
STS Consultants Ltd.
Consulting Engineers
11425 W. Lake Park Dr.
Milwaukee, WI 53224
414.359.3030

STS PROJECT NUMBER 86415XB2000

STS PROJECT FILE

SCALE APPROX. 1"=20'

SHEET NUMBER 3



REVISION NO.	DESCRIPTION	DATE	BY
1	LOCATED SOIL BORINGS & MON. WELLS	6/20/01	DMV

DESIGNED BY	BJB	DATE 10/02/00
DRAWN BY	LMD	DATE 10/02/00
APPROVED BY	TWK	DATE 10/02/00

TEST PIT, BORING AND MONITORING WELL LOCATIONS

C & L INDUSTRIAL CLEANERS
8927 SHERIDAN ROAD
KENOSHA, WISCONSIN

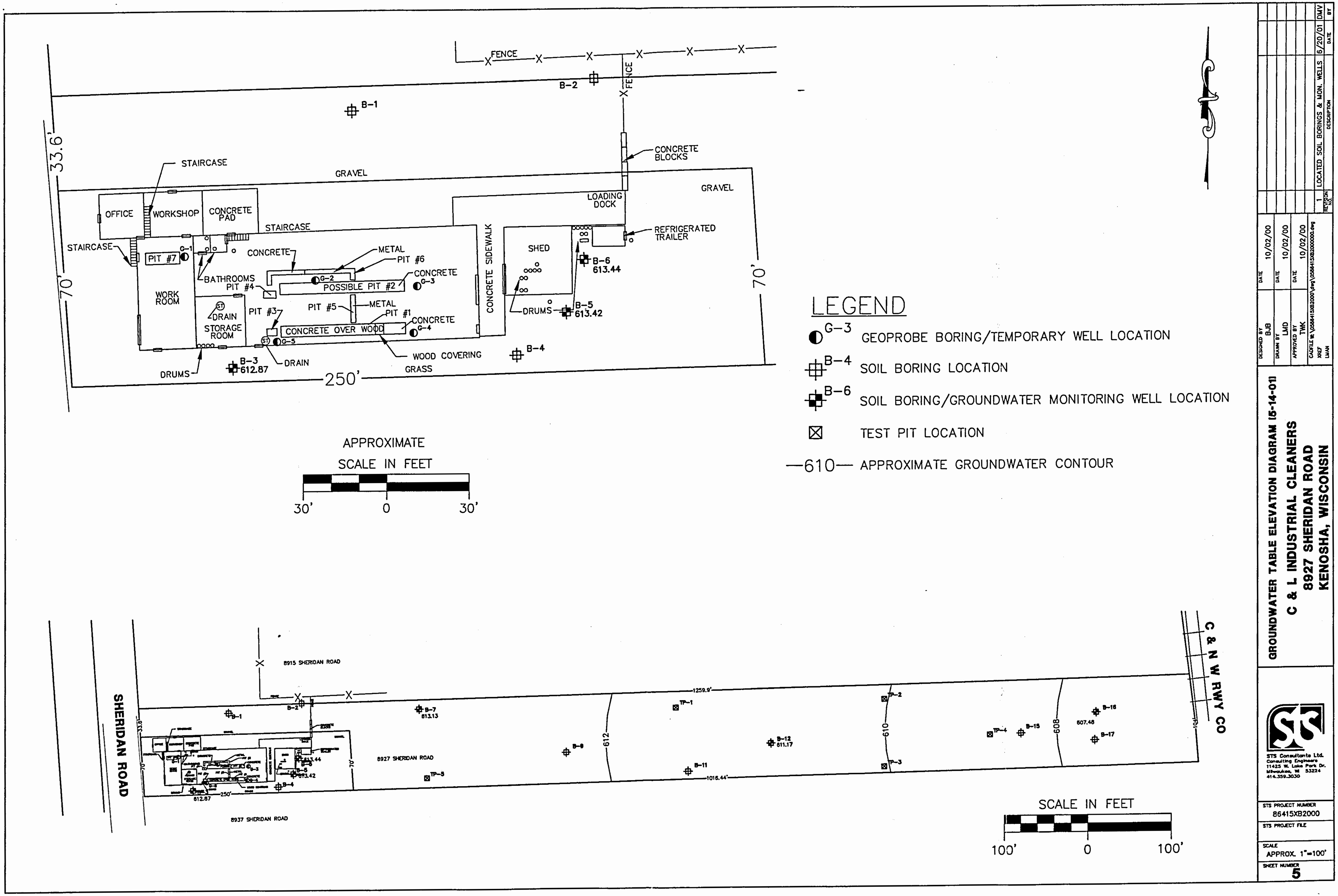
STS Consultants Ltd.
Consulting Engineers
11425 W. Lake Park Dr.
Milwaukee, WI 53224
414.359.3030

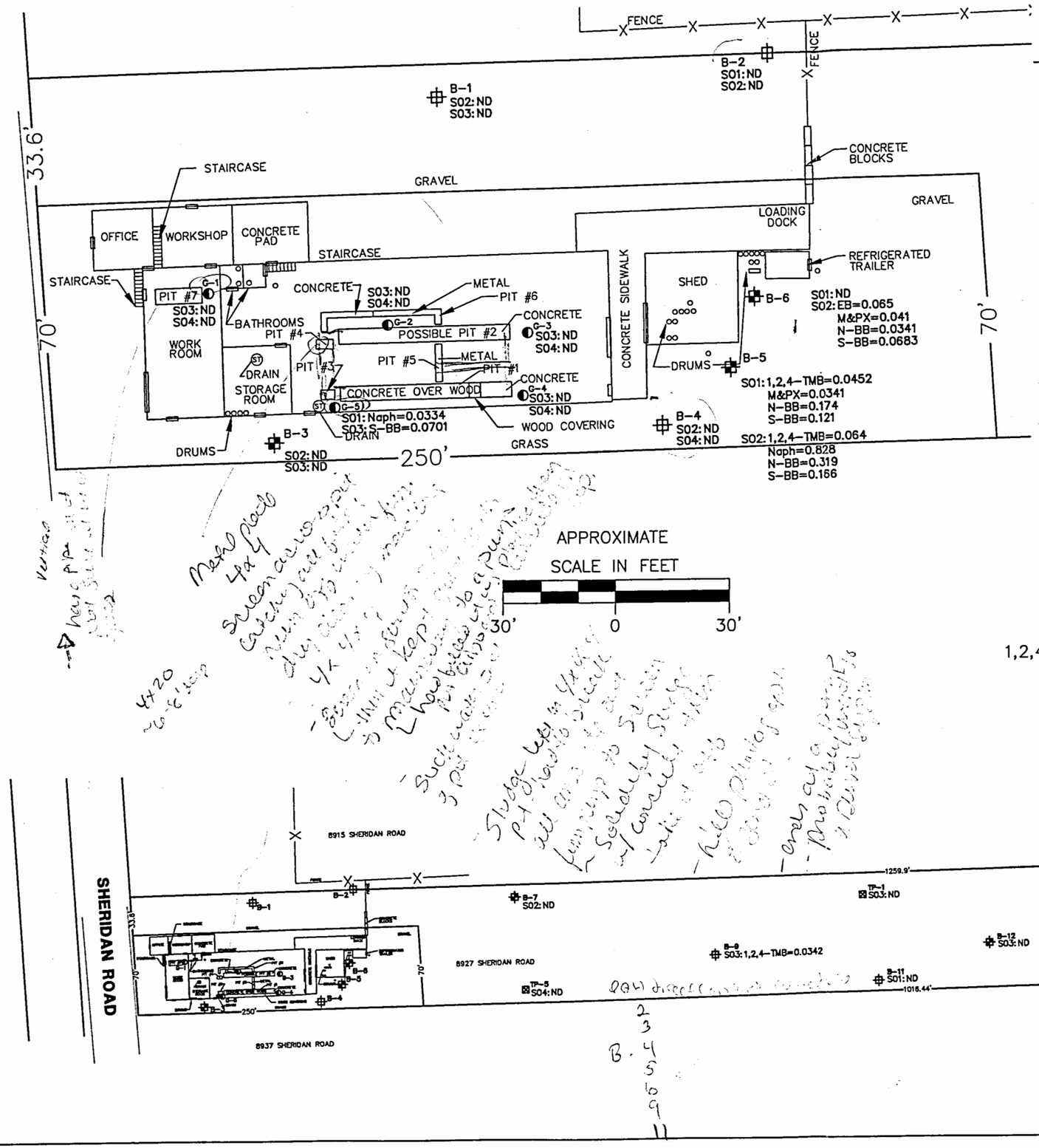
STS PROJECT NUMBER 86415XB2000

STS PROJECT FILE

SCALE APPROX. 1"=100'

SHEET NUMBER 4


FENCE
B-2
B-1
CONCRETE BLOCKS
33.6'
STAIRCASE
GRAVEL
GRAVEL
OFFICE
WORKSHOP
CONCRETE PAD
LOADING DOCK
REFRIGERATED TRAILER
STAIRCASE
STAIRCASE
PIT #7
G-1
CONCRETE
METAL
PIT #6
SHED
BATHROOMS
PIT #4
G-2
POSSIBLE PIT #2
CONCRETE
G-3
B-6
613.44
WORK ROOM
DRAIN
STORAGE ROOM
PIT #3
PIT #5
METAL
PIT #1
CONCRETE
CONCRETE OVER WOOD
G-4
G-5
CONCRETE SIDEWALK
DRUMS
B-5
613.42
70'
70'
B-3
612.87
DRAIN
WOOD COVERING
B-4
DRUMS
250'
GRASS
APPROXIMATE
SCALE IN FEET
30'
0
30'
LEGEND
G-3 GEOPROBE BORING/TEMPORARY WELL LOCATION
B-4 SOIL BORING LOCATION
B-6 SOIL BORING/GROUNDWATER MONITORING WELL LOCATION
TEST PIT LOCATION
—610— APPROXIMATE GROUNDWATER CONTOUR
8915 SHERIDAN ROAD
SHERIDAN ROAD
8927 SHERIDAN ROAD
8937 SHERIDAN ROAD
B-7
613.13
TP-1
TP-2
TP-3
TP-4
TP-8
B-9
B-11
B-12
611.17
B-15
B-16
B-17
607.48
612
610
608
1259.9'
1016.44'
C & N W RWY CO
SCALE IN FEET
100'
0
100'
1 LOCATED SOIL BORINGS & MON. WELLS 6/20/01 DMV
REVISION NO. DESCRIPTION DATE BY
DESIGNED BY BJB DATE 10/02/00
DRAWN BY LMD DATE 10/02/00
APPROVED BY TWK DATE 10/02/00
GROUNDWATER TABLE ELEVATION DIAGRAM (5-14-01)
C & L INDUSTRIAL CLEANERS
8927 SHERIDAN ROAD
KENOSHA, WISCONSIN
STS Consultants Ltd.
Consulting Engineers
11425 W. Lake Park Dr.
Milwaukee, WI 53224
414.359.3030
STS PROJECT NUMBER 86415XB2000
STS PROJECT FILE
SCALE APPROX. 1"=100'
SHEET NUMBER 5



LEGEND

- G-3 — GEOPROBE BORING/TEMPORARY WELL LOCATION
- B-4 — SOIL BORING LOCATION
- B-6 — SOIL BORING/GROUNDWATER MONITORING WELL LOCATION
- ⊠ — TEST PIT LOCATION

EB = ETHYLBENZENE
T = TOLUENE
M&PX = M&P XYLENE
1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE
N-BB = N-BUTYLBENZENE
S-BB = SEC-BUTYLBENZENE
NAPH = NAPHTHALENE
ND = NOT DETECTED

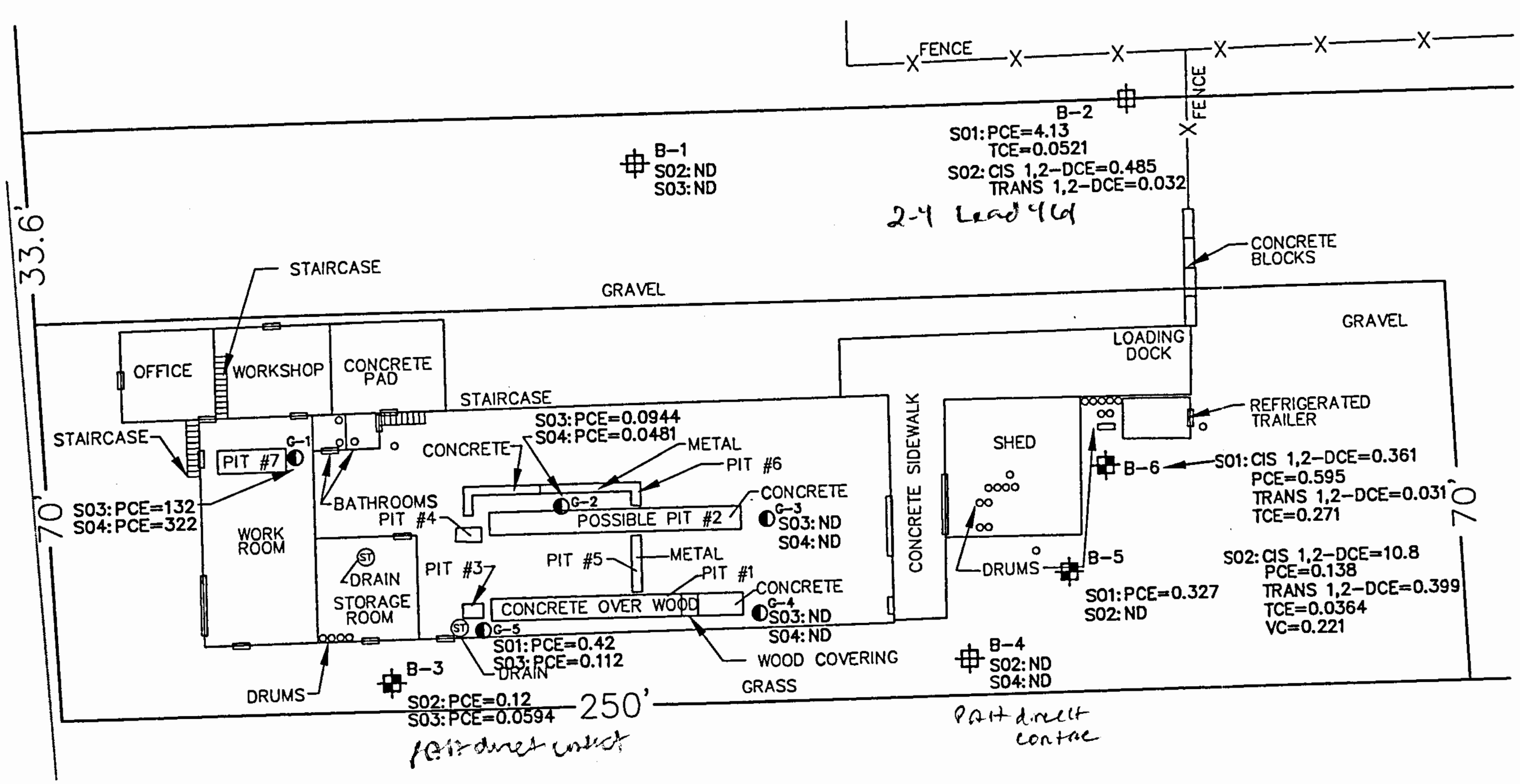
PETROLEUM-RELATED VOC'S IN SOIL [IN MG/KG]
C & L INDUSTRIAL CLEANERS
8927 SHERIDAN ROAD
KENOSHA, WISCONSIN

REVISION NO.	DESCRIPTION	DATE	BY
1	LOCATED SOIL BORINGS & MON. WELLS	6/20/01	DMV

DESIGNED BY BJB — DATE 10/02/00
DRAWN BY LMD — DATE 10/02/00
APPROVED BY TWK — DATE 10/02/00
CADFILE K:\86415\B2000\dwg\86415B2000.dwg
XREF LMN

STS Consultants Ltd.
Consulting Engineers
11425 W. Lake Park Dr.
Milwaukee, WI 53224
414.359.3030

STS PROJECT NUMBER 86415XB2000
STS PROJECT FILE
SCALE APPROX. 1"=100'
SHEET NUMBER 6

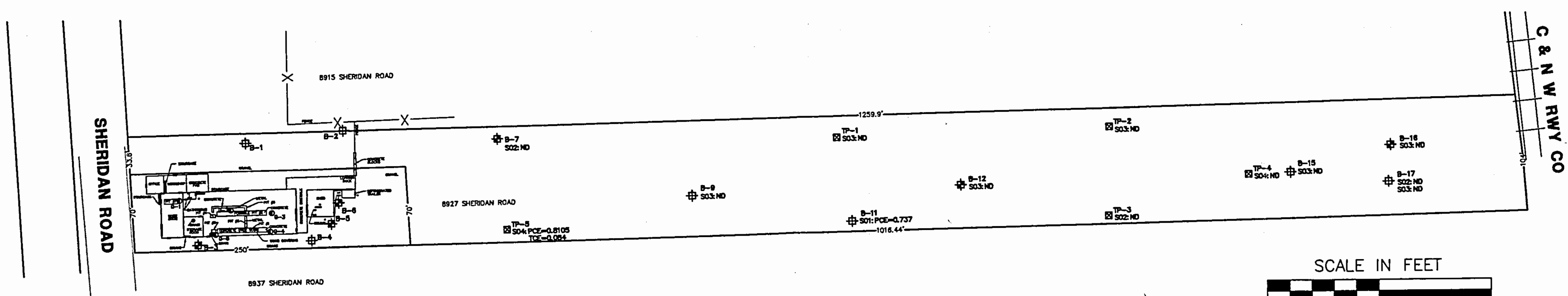


APPROXIMATE
SCALE IN FEET
30' 0 30'

LEGEND

- G-3 GEOPROBE BORING/TEMPORARY WELL LOCATION
- B-4 SOIL BORING LOCATION
- B-6 SOIL BORING/GROUNDWATER MONITORING WELL LOCATION
- TEST PIT LOCATION

PCE=TETRACHLOROETHYLENE
TCE=TRICHLOROETHYLENE
CIS-1,2-DCE=CIS-1,2-DICHLOROETHYLENE
TRANS-1,2-DCE=TRANS-1,2-DICHLOROETHYLENE
VC=VINYL CHLORIDE
ND=NONE DETECTED



SCALE IN FEET
100' 0 100'

REVISION NO.	DESCRIPTION	DATE	BY
1	LOCATED SOIL BORINGS & MON. WELLS	6/20/01	DMV

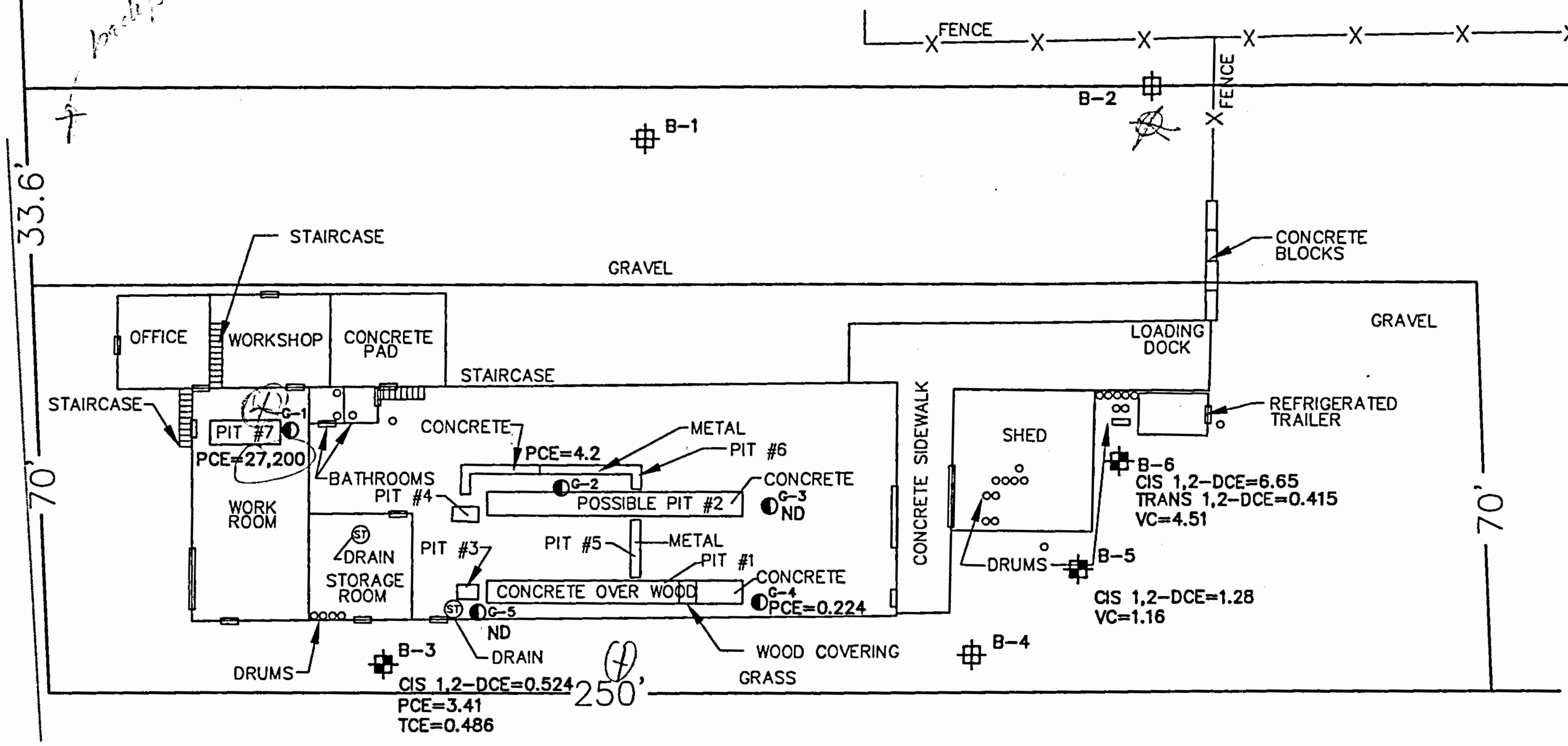
DESIGNED BY BJB DATE 10/02/00
DRAWN BY LMD DATE 10/02/00
APPROVED BY TWK DATE 10/02/00
CADFILE \\05864\15XB2000\dwg\05864\15XB2000000.dwg
XREF LMAN

CHLORINATED VOC'S IN SOIL [IN MG/KG]
C & L INDUSTRIAL CLEANERS
8927 SHERIDAN ROAD
KENOSHA, WISCONSIN

STS Consultants Ltd.
Consulting Engineers
11425 W. Lake Park Dr.
Milwaukee, WI 53224
414.359.3030

STS PROJECT NUMBER 86415XB2000
STS PROJECT FILE
SCALE APPROX. 1"=100'
SHEET NUMBER 7

[redacted]



APPROXIMATE

SCALE IN FEET

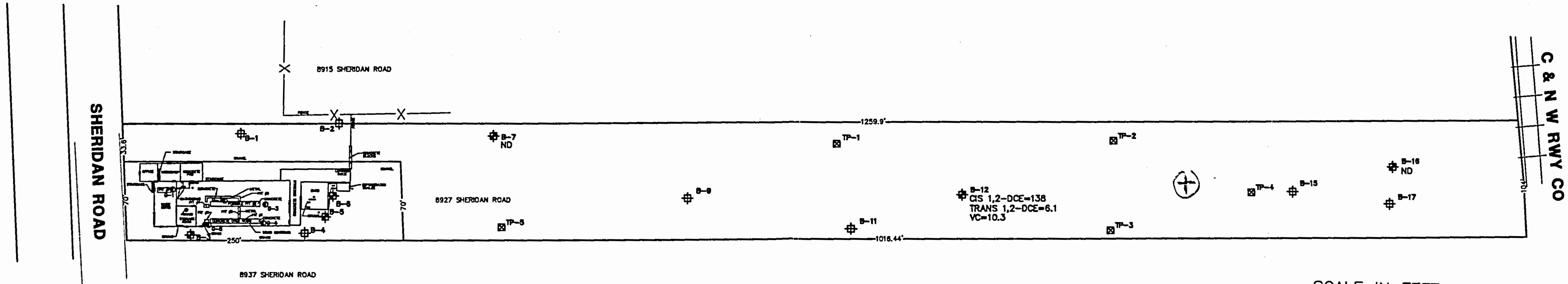
30' 0 30'

LEGEND

- G-3 GEOPROBE BORING/TEMPORARY WELL LOCATION
- B-4 SOIL BORING LOCATION
- B-6 SOIL BORING/GROUNDWATER MONITORING WELL LOCATION
- TEST PIT LOCATION

PCE=TETRACHLOROETHYLENE
TCE=TRICHLOROETHYLENE
CIS-1,2-DCE=CIS-1,2-DICHLOROETHYLENE
TRANS-1,2-DCE=TRANS-1,2-DICHLOROETHYLENE
VC=VINYL CHLORIDE
ND=NONE DETECTED

G-3, PAH ES Exceedance
G-4 Nickel ES Exceedance
G-5 PAH ES Exceedance



SCALE IN FEET

100' 0 100'

REVISION NO.	DESCRIPTION	DATE	BY
1	LOCATED SOIL BORINGS & MON. WELLS	6/20/01	DMV

DESIGNED BY BJB, DATE 10/02/00
DRAWN BY LMD, DATE 10/02/00
APPROVED BY TWK, DATE 10/02/00

CHLORINATED VOC'S IN GROUNDWATER [IN ug/l]
C & L INDUSTRIAL CLEANERS
8927 SHERIDAN ROAD
KENOSHA, WISCONSIN

STS Consultants Ltd.
Consulting Engineers
11425 W. Lake Park Dr.
Milwaukee, WI 53224
414.359.3030

STS PROJECT NUMBER 86415XB2000
STS PROJECT FILE
SCALE APPROX. 1"=100'
SHEET NUMBER 8

TABLES

Table 1
Groundwater Measurements and Elevations
STS Project No.86415XB-2000

Well Number	B-3		B-5		B-6		B-7		B-12		B-16	
Ground Elevation (ft)	618.26		618.34		618.5		615.28		615.99		612.24	
Top of PVC Casing (TOC) Elevation (ft)	620.84		621.2		621.82		618.02		617.11		615.17	
Screen Length (ft)	10		10		10		10		10		10	
TOC to Bottom of Well (ft)A	17.57		17.71		17.98		17.95		16.94		18	
Date	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
05/14/2001	7.97	612.87	7.78	613.42	8.38	613.44	4.89	613.13	5.94	611.17	7.69	609.42

ft = feet

A = as measured inside well

NI = Not Installed

-- no elevation

Table 2
Drum Inventory Summary
Kenosha Brownfield Investigation - C&L Industrial Cleaners
STS Project No. 86415XB Task 2000

Drum #	Type	Condition	Apparent Contents
1	Steel	open, rusted	1-gallon paint cans
2	Steel	open	Concrete, wood, glass, plastic oil container, 5-gallon bucket, cloth
3	Plastic	open, mostly empty	Concrete rubble, pieces of wood, spray can
4	Steel	open	Plastic sheeting
5	Steel	closed	Labeled "A1 mag Oil"
6	Steel	rusted, open	Misc. refuse, oil containers, brake fluid container, glass, plastic, wood pieces
7	Steel	open	glass, plastic, rope, 5-gallon bucket
8	Plastic	closed	Mostly empty
9	Steel	closed	Writing on side crossed out & illegible, mostly full
10	Steel	rusted, open	Paper, plastic, glass, concrete rubble, wood
11	Steel	closed, small	Unknown
12	Steel	open, rusted or dirty	Half full, some spray cans and plastic
13	Plastic	closed	Unknown
14-16	Steel	closed, small	Unknown
17	Steel	open	Wood, approximately 1/3 full
18	Steel	open	Misc. refuse, wood, plastic, carpet
19	Cardboard	open	Plastic sheeting
20	Plastic	closed	Unknown
21	Plastic	open	Empty
22-25	Steel	closed	Labeled "A1 mag Oil"
26-27	Plastic	supporting table top	Unknown
28-44	Steel	open	Empty

Table 3
Summary of Pit Sludge Results
Kenosha Brownfield Investigation - C L Industrial Cleaners
STS Project No. 86415XB Task 2000

Parameters (In mg/kg except as noted)	Sample Number and Date						
	CL-P1-SL010423 04/23/2001	CL-P4-SL010423 04/23/2001	CL-P5-SL010423 04/23/2001	CL-P6-SL010423 04/23/2001	CL-P7-SL010423 04/23/2001	CL-P3W010423 04/23/2001 *(liquid sample) results in mg/L*	TCLP Regulatory Level (mg/L)
Metals							
Antimony	178	20.9	36.9	35.8	17.9	<0.080	
Arsenic	12.1	7.08	9.86	11.4	7.94	0.029	5.0
Barium	2400[A]	882	253	217	118	3.810	100
Cadmium	193[A]	106[A]	45.5[A]	35.0[A]	55.3[A]	0.182	1.0
Chromium	805[A]	966[A]	1240[A]	1140[A]	620[A]	3.640	5.0
Copper	15000	13500	29600	33700	39500	7.450	
Lead	3540[A]	1790[A]	1860[A]	1520[A]	1270[A]	3.910	5.0
Mercury	2.34	0.709	0.504	0.358	0.25	0.00110	0.2
Nickel	280	2010	4680	4980	979	1.300	
Selenium	43.3[A]	16.0	7.83	4.86	43.8[A]	0.033	1.0
Silver	12.7	7.46	33.8	27.3	9.27	0.034	5.0
PAHs							
1-Methyl Naphthalene	19.3	<1.03	0.346	<0.0346	17.6	0.00172	
2-Methyl Naphthalene	21.9	2.68	0.283	<0.0274	<2.50	0.00717	
Acenaphthene	<2.36	<2.20	<0.713	<0.074	<6.73	<0.00100	
Acenaphthylene	<1.60	<1.49	<0.483	<0.0501	<4.56	<0.00150	
Anthracene	<1.10	<1.03	<0.334	0.163	11.3	<0.0009	
Benzo(a)Anthracene	11.7	2.18	1.45	<0.0298	5.65	<0.0003	
Benzo(a)Pyrene	<0.532	2.85	0.824	0.625	2.91	<0.0002	
Benzo(b)Fluoranthene	1.64	3.59	1.14	0.809	5.42	<0.0002	
Benzo(ghi)Perylene	2.29	3.19	1.19	0.464	9.77	<0.0009	
Benzo(k)Fluoranthene	1.38	1.69	0.567	0.354	2.26	<0.0003	
Chrysene	5.29	1.16	0.644	<0.0239	6.13	<0.0002	
Dibenzo(a,h)Anthracene	0.967	<0.496	<0.161	0.249	<1.52	<0.0006	
Fluoranthene	2.77	8.50	2.59	0.893	54.1	<0.0003	
Fluorene	3.47	<1.24	<0.403	0.0943	4.43	0.000753	
Indeno(1,2,3-cd)Pyrene	2.42	0.63	0.705	0.376	1.90	<0.0006	
Naphthalene	7.90	2.52	<0.449	<0.0465	<4.23	0.0126	
Phenanthrene	17.0	2.26	0.716	0.47	63.3	<0.00110	
Pyrene	8.80	8.21	3.29	1.65	29.4	<0.00100	
VOCs							
1,2,4-Trimethylbenzene	19.2	24.6	4.17	0.905	<0.4	0.315	
1,3,5-Trimethylbenzene	16.0	22.0	2.21	0.8	<0.4	0.131	
Ethylbenzene	4.47	<2.00	<0.4	0.0394	<0.4	0.080	
Isopropylbenzene	<2.00	<2.00	<0.4	<0.025	<0.4	0.0139	
m- & p-Xylene	19.9	4.88	0.6	0.138	<0.4	0.589	
Naphthalene	<2.00	3.95	1.01	0.132	<0.4	0.0213	
n-Butylbenzene	6.68	<2.00	5.01	1.09	<0.4	0.0131	
n-Propylbenzene	<2.00	5.40	1.09	<0.025	<0.4	0.0269	
o-Xylene	4.08	<2.00	<0.4	0.0752	<0.4	0.193	
p-Isopropyltoluene	<2.00	<2.00	6.28	0.693	<0.4	<0.004	
sec-Butylbenzene	<2.00	<2.00	<0.4	1.24	<0.4	0.00840	
Styrene	<2.00	<2.00	<0.4	0.0451	<0.4	<0.003	
tert-Butylbenzene	<2.00	<2.00	<0.4	0.529	<0.4	<0.003	
Tetrachloroethylene	<2.00	3.38	<0.4	0.122	67.5	<0.003	0.7
Toluene	<2.00	<2.00	0.984	0.795	<0.4	0.0188	
PCBS							
1016	<98.8	<0.092	<0.75	<7.76	<7.06	<0.0054	
1221	<198	<0.184	<1.5	<15.5	<14.1	<0.0054	
1232	<342	<0.319	<2.59	<26.8	<24.4	<0.0058	
1242	<76	<0.071	<0.58	<5.97	<5.43	<0.0034	
1248	<236	<0.220	<1.78	<18.5	<16.8	<0.006	
1254	<380	<0.355	<2.88	<29.8	<27.1	<0.0054	
1260	<106	<0.099	<0.81	<8.35	<7.6	<0.006	

Notes:
PAHs = Polynuclear Aromatic Hydrocarbons
PCBs = Polychlorinated Biphenyls
VOCs = Volatile Organic Compounds
Bold indicates value above detection limit.
Note: Only detected VOCs are presented above.
[A] - Exceeds the theoretical TCLP regulatory limit. For solid samples, a twenty-fold dilution is incorporated into the TCLP limit. Therefore solid samples having in excess of 20 times the TCLP regulatory limit could exceed their respective TCLP limit. These materials need to be re-tested using the TCLP method to confirm or deny whether they should be classified as TCLP hazardous.

Table 6
Summary of Groundwater Analytical Results
Kenosha Brownfield Investigation - C&L Industrial Cleaners
STS Project No. 86415XB Task 2000

Parameter	RCLs ES	RCLs PAL	Sample Number and Date: Temporary Well Samples CL-G1-W010501 5/01/01	CL-G2-D010501 5/01/01 (Duplicate)	CL-G2-W010501 5/01/01	CL-G3-B010501 5/01/01 (Blank)	CL-G3-W010501 5/01/01	CL-G4-W010501 5/01/01	CL-G5-W010501 5/01/01	NR 141 Well Samples CL-SB03W010514 5/14/01	CL-SB05W10514 5/14/01	CL-SB06W010514 5/14/01	CL-SB07D010514 5/14/01 (Duplicate)	CL-SB07W010514 5/14/01	CL-SB12B010514 5/14/01 (Blank)	CL-SB12W010514 5/14/01	CL-SB16W010514 5/14/01
Metals (ug/L)																	
Antimony	6	1.2	<1.21	<1.21	<1.21	<1.21	<1.21	<1.21	<1.21	<1.21	<1.21	<1.21	<1.21	<1.21	<1.21	<1.21	<1.21
Arsenic	50	5	**4.90**	<2.40	<2.40	<2.40	<2.40	<2.40	<2.40	<2.40	<2.40	**3.01**^{J}	<2.40	<2.40	<2.40	<2.40	<2.40
Barium	2000	400	**11**	**22**	**22**	**72**	**39**	**17**	**7**	**69**	**157**	**189**	**53**	**56**	<2	**134**	**199**
Cadmium	5	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	**0.37**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium	100	10	<1	**1.6**^{J}	**1**^{J}	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper	1300	130	<4	<4	<4	<4	<4	**10**^{J}	<4	<4	<4	<4	<4	<4	<4	<4	<4
Lead	15	1.5	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Mercury	2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	100	20	**4**^{J}	**4**^{J}	**6**^{J}	<3	74	120	<3	<3	**8**^{J}	23	**4**^{J}	**4**^{J}	<3	<3	**4**^{J}
Selenium	50	10	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Silver	50	10	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
PAHs (µg/l)																	
Acenaphthene	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	--	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Anthracene	3000	600	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
Benzo(a)Anthracene	--	--	<0.03	<0.03	<0.03	<0.03	**0.07**^{J}	<0.03	**0.084**^{J}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(a)Pyrene	0.2	0.02	<0.02	<0.02	<0.02	<0.02	0.175	<0.02	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(b)Fluoranthene	0.2	0.02	<0.02	<0.02	<0.02	<0.02	0.213	<0.02	0.233	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(k)Fluoranthene	--	--	<0.03	<0.03	<0.03	<0.03	**0.105**	<0.03	**0.104**	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(ghi)Perylene	--	--	<0.09	<0.09	<0.09	<0.09	**0.159**^{J}	<0.09	**0.151**^{J}	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
Chrysene	0.2	0.02	<0.02	<0.02	<0.02	<0.02	0.071	<0.02	0.085	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dibenzo(a,h)Anthracene	--	--	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Fluoranthene	400	80	<0.03	<0.03	<0.03	<0.03	**0.16**	<0.03	**0.087**^{J}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Fluorene	400	80	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Indeno(1,2,3-cd)Pyrene	--	--	<0.06	<0.06	<0.06	<0.06	**0.206**	<0.06	**0.196**^{J}	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
1-Methyl Naphthalene	--	--	<0.13	<0.13	<0.13	<0.13	**0.162**^{J}	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
2-Methyl Naphthalene	--	--	<0.12	<0.12	<0.12	<0.12	**0.284**^{J}	<0.12	**0.151**^{J}	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Naphthalene	40	8	<0.06	<0.06	<0.06	<0.06	**0.128**^{J}	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Phenanthrene	--	--	<0.11	<0.11	<0.11	<0.11	**0.197**^{J}	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Pyrene	250	50	<0.1	<0.1	<0.1	<0.1	**0.115**^{J}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VOCs (µg/l)																	
Benzene	5	0.5	<150	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	**0.375**^{J}	<0.15	**0.216**^{J}	<0.15	<0.15	<0.15
cis-1,2-Dichloroethene	70	7	<150	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	**0.524**	**1.28**	**6.65**	<0.15	<0.15	<0.15	138	<0.15
Tetrachloroethene	5	0.5	27,200	4.18	4.20	<0.15	<0.15	**0.224**^{J}	<0.15	3.41	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	100	20	<150	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	**0.415**^{J}	<0.15	<0.15	<0.15	**6.10**	<0.15
Trichloroethene	5	0.5	<100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.486**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	0.2	0.02	<120	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	**1.16**	**4.51**	<0.12	<0.12	<0.12	**10.3**	<0.12

Notes:

VOCs = Volatile Organic Compounds

PAHs = Polynuclear Aromatic Hydrocarbons

12 - NR140, WAC Preventive Action Limit exceedance

200 - NR140 Enforcement Standard exceedance

Bold indicates value above detection limit.

-- No NR140 ES or PAL established

NA = Not analyzed.

J = Estimated concentration below laboratory quantitation limit.

Table 5
Summary of Soil Analytical Results - Soil Boring Samples
Kenosha Brownfield Investigation - C L Industrial Cleaners
STS Project No. 86415XB Task 2000

Parameters	NR 720 Generic RCLs – Direct Contact Pathway – Non-Industrial[A]	Direct Contact Pathway – Industrial[B]	Groundwater Pathway[C]	CL-B01-SO2	CL-B01-SO3	CL-B02-SO1	CL-B02-SO2	CL-B03-SO2	CL-B03-SO3	CL-B04-SO2	CL-B04-SO4	CL-B05-SO1	CL-B05-SO2	CL-B06-SO1	CL-B06-SO2	CL-B07-SO2	CL-B09-SO3	CL-B11-SO1	CL-B12-SO3	CL-B15-SO3	CL-B16-SO3	CL-B17-SO2	CL-B17-SO3
Sample Number, Date, Depth and PID Reading – Soil Borings				4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	5/1/01	5/1/01	5/2/01	5/2/01	5/2/01	5/1/01	5/2/01	5/1/01	5/1/01	5/1/01
				2.5-4.5'	5-7'	0-2'	2-4'	2-4'	5-7'	2.5-4.5'	7.5-9.5'	0-2'	2.5-4.5'	0-2'	2.5-4.5'	2.5-4.5'	5-7'	0-2'	5-7'	5-7'	5-7'	2.5-4.5'	5-7'
				1.6	0.8	0.8	1.2	0.4	0.0	0.2	0.0	3.1	1.0	6.3	9.4	7.7	3.1	0.0	0.0	0.0	0.0	NA	NA
Metals (mg/kg)																							
Total Antimony	—	—	—	<1.97	<2.01	<2.00	<2.12	<1.93	<2.03	<2.06	<2.05	<1.88	<1.98	<1.94	<1.94	<1.97	<2.05	<1.89	<1.91	<2.32	<2.14	<2.48	<2.25
Total Arsenic	0.039	1.6	—	2.60[AB]	3.85[AB]	3.40[AB]	6.10[AB]	2.51[AB]	3.56[AB]	3.33[AB]	1.40[A]	4.58[AB]	7.30[AB]	3.28[AB]	3.66[AB]	5.06[AB]	3.27[AB]	4.11[AB]	9.89[AB]	2.02[AB]	1.14[A]	2.22[AB]	1.67[AB]
Total Barium	—	—	—	38.9	12.8	49.4	86.9	34.9	22.0	64.5	3.98	37.4	66.7	25.9	31.1	50.8	41.3	20.4	79.7	69.7	31.8	57.5	67.4
Total Cadmium	8	510	—	0.151	0.272	0.141	0.96	0.204	0.0752	0.339	0.277	0.255	0.256	0.137	0.308	0.22	0.104	0.211	0.248	0.559	0.0754	0.321	0.265
Total Chromium	16,000	NA	—	12.6	7.62	13.6	14.8	11.8	18.3	14.5	3.89	9.05	12.3	9.01	22.3	6.96	14.5	15.1	14.1	12.1	6.77	9.39	9.38
Total Copper	—	—	—	7.25	7.27	22.7	18.6	20.4	7.63	14.8	13.0	45.5	18.0	38.6	68.5	6.79	15.5	34.3	16.9	19.1	3.73	10.4	8.20
Total Lead	50	500	—	4.92	4.07	6.92	461[A]	32.1	6.30	20.5	4.24	22.2	9.91	8.13	26.2	7.77	71.7[A]	20.9	10.1	8.09	3.35	10.2	5.58
Total Mercury	—	—	—	0.0742	<0.0473	<0.0469	0.0561	0.059	<0.0477	0.0582	<0.0481	<0.0443	<0.0466	<0.0456	0.125	<0.0463	<0.0482	<0.0444	0.0529	0.0832	<0.0503	0.0584	0.0796
Total Nickel	—	—	—	8.42	11.8	16.5	15.3	8.75	9.83	11.9	6.14	9.99	17.8	9.17	23.8	10.2	12.7	17.2	22.3	9.75	4.54	6.15	5.40
Total Selenium	—	—	—	<0.382	<0.391	<0.387	1.03	0.522	<0.394	<0.4	<0.397	<0.366	<0.384	0.433	0.764	0.544	<0.398	<0.367	<0.372	0.982	0.427	1.2	0.57
Total Silver	—	—	—	<0.116	<0.118	<0.117	<0.125	<0.113	<0.119	<0.121	<0.12	<0.111	<0.116	<0.114	<0.114	<0.116	<0.12	<0.111	<0.113	<0.136	<0.126	<0.146	<0.133
	NR 720 Generic RCLs – Direct Contact Pathway – Non-Industrial[A]	Direct Contact Pathway – Industrial[B]	Groundwater Pathway[C]																				
PAHs (mg/kg)																							
1-Methyl Naphthalene	1,100	70,000	23	<0.00336	<0.00343	<0.0034	<0.0362	0.00687[J]	<0.00346	0.0632	<0.0349	<0.00322	<0.00358	0.00539[J]	<0.0331	<0.00336	<0.0349	<0.0322	<0.00327	<0.00396	<0.00364	0.00426[J]	<0.00385
2-Methyl Naphthalene	600	40,000	20	<0.00267	<0.00272	<0.0027	<0.0287	0.00937	<0.00274	0.0314	<0.0277	<0.00255	0.00303[J]	0.00321[J]	0.1	<0.00266	<0.0277	<0.0256	<0.00259	<0.00314	<0.00289	0.00667[J]	<0.00305
Acenaphthene	900	60,000	38	<0.00718	<0.00734	<0.00728	<0.0773	0.0136[J]	<0.0074	<0.0752	<0.0746	<0.00687	<0.00722	<0.00706	<0.0707	<0.00718	<0.0747	<0.0689	<0.00698	<0.00846	<0.00779	<0.00905	<0.00822
Acenaphthylene	18	360	0.7	<0.00487	<0.00497	<0.00493	<0.0524	<0.00476	<0.00501	<0.0509	<0.0505	<0.00466	<0.00489	<0.00478	<0.0479	<0.00486	<0.0506	<0.0467	<0.00473	<0.00573	<0.00528	<0.00613	<0.00557
Anthracene	5,000	300,000	3,000	<0.00336	<0.00343	<0.0034	<0.0362	0.00632[J]	<0.00346	0.13	<0.0349	<0.00322	0.0111	<0.0033	<0.0331	<0.00336	0.173	<0.0322	<0.00327	<0.00396	<0.00364	<0.00423	<0.00385
Benzo(a)Anthracene	0.088	3.9	17	0.00502[J]	<0.00246	<0.00293	<0.0312	0.147[A]	<0.00298	0.762[A]	<0.0301	0.0122	0.0115	0.0178	<0.0285	0.00389[J]	0.242[A]	<0.0278	<0.00282	<0.00341	<0.00314	<0.00365	<0.00332
Benzo(a)Pyrene	0.0088	0.39	48	0.0046[J]	<0.00272	<0.0027	<0.0287	0.265[A]	<0.00274	0.65[AB]	<0.0277	0.0142[A]	0.00808[J]	0.0371[A]	0.027[A]	0.00363[J]	0.249[A]	0.0439[A]	<0.00259	<0.00314	<0.00289	0.00413[J]	<0.00305
Benzo(b)Fluoranthene	0.088	3.9	360	0.0262	<0.0013	0.0129	0.0584	0.362[A]	<0.00131	0.629[A]	<0.0132	0.0312	0.0136	0.0429	<0.0125	0.00704	0.292[A]	0.0753	<0.00124	<0.0015	0.00461	0.00778	<0.00148
Benzo(ghi)Perylene	1.8	39	6,800	0.00505	<0.00118	0.0604	0.0192	0.26	<0.00119	0.253	<0.012	0.00831	0.012	0.0228	<0.0114	0.00242[J]	0.181	0.0294	<0.00113	<0.00136	<0.00126	0.00323[J]	<0.00133
Benzo(k)Fluoranthene	0.88	39	870	<0.00139	<0.00142	0.0194	0.0207	0.138	<0.00143	0.379	<0.0144	0.00965	0.0126	0.0253	<0.0137	<0.00139	0.131	0.0356	<0.00135	<0.00164	0.0029[J]	0.0027[J]	<0.00159
Chrysene	8.8	390	37	0.00684[J]	<0.00237	<0.00235	0.0423	0.141	<0.00239	0.857	<0.0241	0.0106	0.0105	0.0191	0.0335	0.00469[J]	0.2	0.0333	<0.00225	<0.00273	0.00307[J]	<0.00292	<0.00265
Dibenzo(a,h)Anthracene	0.0088	0.39	38	0.00783	<0.00166	<0.00164	0.0279[A]	<0.00159	<0.00167	0.0305[A]	<0.0168	0.0367[A]	0.0253[A]	0.0708[A]	<0.016	<0.00162	0.128[A]	<0.0156	<0.00158	<0.00191	<0.00176	<0.00204	<0.00186
Fluoranthene	600	40,000	500	0.0221	<0.00308	0.0553[J]	0.0374	0.164	0.00348[J]	1.52	<0.0313	0.0366	0.032	0.0281	0.0425	0.0177	0.801	0.0587	<0.00293	0.0057[J]	0.0079[J]	0.0171	<0.00345
Fluorene	600	40,000	100	<0.00406	<0.00414	<0.00411	<0.0436	<0.00397	<0.00418	<0.0424	<0.0421	<0.00388	<0.00407	<0.00399	<0.0399	<0.00405	<0.0422	<0.0389	<0.00394	<0.00477	<0.0044	<0.00511	<0.00464
Indeno(1,2,3-cd)Pyrene	0.088	3.9	680	0.00592[J]	<0.00201	0.011	0.0276	0.278[A]	<0.00203	0.285[A]	<0.0205	0.0171	0.00853	0.0296	0.029	0.00731	0.198[A]	0.0429	<0.00191	<0.00232	0.00489[J]	0.0122	<0.00225
Naphthalene	20	110	0.4	0.00461[J]	<0.00462	<0.00458	<0.0486	0.00747[J]	<0.00465	<0.0473	<0.0469	<0.00432	<0.00454	<0.00444	<0.0445	<0.00451	<0.047	<0.0433	<0.00439	<0.00532	<0.0049	<0.00569	<0.00517
Phenanthrene	18	390	1.8	0.0129	<0.00189	0.0158	0.0608	0.00533[J]	<0.00191	0.469	<0.0193	0.0162	0.035	0.0179	0.0566	0.0116	0.665	0.0531	<0.0018	0.0117	0.00882	0.0165	<0.00212
Pyrene	500	30,000	8,700	0.0166	<0.00367	0.00798[J]	0.063	0.209	<0.0037	2.29	<0.0373	0.0314	[illegible]315	0.0413	0.0675	0.0105[J]	0.199	0.0637	<0.00349	0.00714[J]	0.00745[J]	0.0147	<0.00411
	NR 720 Generic RCLs or EPA Region IX Preliminary Remediation Goals – Direct Contact Pathway – Residential[E]	Direct Contact Pathway – Industrial[F]	Groundwater Pathway																				
VOCs (mg/kg)																							
1,2,4-Trimethylbenzene	52	170	—	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0452	0.064	<0.025	<0.025	<0.025	0.0342	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
cis-1,2-Dichloroethylene	43	150	0.4[G]	<0.025	<0.025	<0.025	0.485[G]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.361	10.8[G]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Ethylbenzene	—	—	2.9[D]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.065	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Isopropyl Ether	—	—	—	<0.023	<0.024	<0.024	<0.025	<0.023	<0.024	<0.024	<0.024	<0.022	<0.023	0.255	<0.023	<0.023	<0.024	<0.022	<0.024	<0.027	<0.025	<0.025	<0.025
m- & p-Xylene	—	—	4.1[D]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0341	<0.025	<0.025	0.0415	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Naphthalene	—	—	—	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0828	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
n-Butylbenzene	140	240	—	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.174	0.319	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
o-Xylene	—	—	4.1[D]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0341	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
sec-Butylbenzene	110	220	—	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.121	0.166	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Tetrachloroethylene	5.7	19	0.06[G]	<0.025	<0.025	4.13[G]	<0.025	0.12[G]	0.0594	<0.025	<0.025	0.327[G]	<0.025	0.595[G]	0.138[G]	<0.025	<0.025	0.737[G]	<0.025	<0.025	<0.025	<0.025	<0.025
Toluene	—	—	1.5[D]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0683	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
trans-1,2-Dichloroethylene	63	210	0.7[G]	<0.025	<0.025	<0.025	0.032	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.031	0.399	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Trichloroethylene	2.8	6.1	0.006[G]	<0.025	<0.025	0.0521[G]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.271[G]	0.0364[G]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vinyl Chloride	0.15	0.83	0.01[G]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.221[EG]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025

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Notes:
PAHs = Polynuclear Aromatic Hydrocarbons
VOCs = Volatile Organic Compounds
A = Exceedance of Generic RCL for protection of human health due to direct contact for non-industrial sites.
B = Exceedance of Generic RCL for protection of human health due to. direct contact for industrial sites.
C = Exceedance of Generic RCL for protection of groundwater quality.
D = NR 720 Generic RCLs based on protection of groundwater.
E = Exceedance of EPA Region III Risk-Based Concentration for ingestion at a residential site.
F = Exceedance of EPA Region III Risk-Based Concentration for ingestion at an industrial site.
G = Exceedance of EPA Region III Risk-Based Concentration for transfer from soil to groundwater.
Bold indicates value above detection limit.
[J] = Estimated concentration below laboratory quantitation level.

0-2
B-2
Load
PCE

Table 4
Summary of Soil Analytical Results - Geoprobe and Test Pit Samples
Kenosha Brownfield Investigation - C L Industrial Cleaners
STS Project No. 86415XB Task 2000

				Sample Number, Date, Depth and PID Reading															
				Geoprobes										Test Pits					
	NR 720 Generic RCLs			CL-G1-SO3	CL-G1-SO4	CL-G2-SO3	CL-G2-SO4	CL-G3-SO3	CL-G3-SO4	CL-G4-SO3	CL-G4-SO4	CL-G5-SO1	CL-G5-SO3	CL-TP1-SO3	CL-TP2-SO3	CL-TP3-SO2	CL-TP4-SO4	CL-TP5-SO4
	Direct Contact Pathway			4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/30/01	4/23/01	4/23/01	4/23/01	4/23/01	4/23/01
	Non-Industrial	Industrial	Groundwater Pathway	4-6'	6-8'	4-6'	6-8'	4-6'	6-8'	4-6'	6-8'	0-2'	4-6'	5-6'	5-6'	8-10'	5-7'	4-6'
Parameters				0.8	1.8	0.6	0.4	0.0	0.0	0.0	0.0	0.6	2.3	1.2	0.0	0.0	0.0	0.0
Metals (mg/kg)																		
Total Antimony				<2.07	<2.05	<2.11	<2.04	<1.99	<1.88	<2.00	<2.08	<1.87	<2.04	0.118	0.0486	<0.0476	0.153	0.335
Total Arsenic	0.039	1.6		1.24	8.70	9.00	2.93	5.92	5.01	8.67	1.39	3.96	4.07	1.86	1.82	3.04	3.44	6.08
Total Barium				6.91	15.7	49.0	5.91	101	14.4	197	7.47	31.5	32.7	9.43	18.7	31.9	32.5	26.0
Total Cadmium	8	510		0.219	0.112	0.249	0.103	0.409	0.0632	1.11	0.159	0.507	0.886	<0.0407	0.0608	0.0733	0.112	0.141
Total Chromium	16,000	NA		9.81	14.5	16.2	4.21	15.8	12.1	19.4	4.85	13.3	12.3	11.7	7.85	7.01	11.3	11.7
Total Copper				21.1	25.0	26.4	8.38	23.7	12.7	36.4	10.4	113	90.7	2.79	4.40	12.3	8.05	16.3
Total Lead	50	500		5.88	7.60	13.6	4.34	11.4	5.80	11.5	4.38	38.2	38.1	2.95	3.77	5.10	6.07	8.16
Total Mercury				<0.0487	<0.0483	<0.0498	<0.0481	<0.0467	<0.0443	<0.0471	<0.0488	0.0771	0.079	<0.0493	<0.0486	<0.0483	<0.0499	0.0621
Total Nickel				11.7	16.6	33.5	6.79	28.7	14.0	114	9.46	20.8	19.8	5.91	4.26	9.85	8.22	18.3
Total Selenium				<0.402	<0.398	1.02	<0.397	0.491	<0.366	1.08	<0.403	<0.363	<0.395	<0.407	<0.401	<0.403	<0.411	<0.387
Total Silver				<0.122	<0.121	<0.124	<0.12	<0.117	<0.111	<0.118	<0.122	0.363	<0.12	0.136	<0.122	<0.122	<0.125	<0.117
	NR 720 Generic RCLs																	
	Direct Contact Pathway																	
	Non-Industrial	Industrial	Groundwater Pathway															
PAHs (mg/kg)																		
1-Methyl Naphthalene	1,100	70,000	23	<0.0353	<0.0035	<0.00361	<0.00349	<0.00339	<0.00322	<0.00342	<0.00354	<0.0319	<0.0347	<0.0358	<0.0352	<0.0354	<0.0362	<0.034
2-Methyl Naphthalene	600	40,000	20	<0.028	<0.00277	<0.00286	<0.00276	<0.00269	<0.00255	<0.00271	<0.00281	<0.0253	<0.0275	<0.0284	<0.0279	<0.0281	<0.0287	<0.027
Acenaphthene	900	60,000	38	<0.0755	<0.00748	<0.00771	<0.00745	<0.00724	<0.00687	<0.0073	<0.00757	<0.0683	<0.0743	<0.0764	<0.0753	<0.0757	<0.0773	<0.0727
Acenaphthylene	18	360	0.7	<0.0512	<0.00507	<0.00522	<0.00505	<0.00491	<0.00466	<0.00495	<0.00513	<0.0463	<0.0503	<0.0518	<0.051	<0.0513	<0.0524	<0.0492
Anthracene	5,000	300,000	3,000	<0.0353	<0.0035	<0.00361	<0.00349	<0.00339	<0.00322	<0.00342	<0.00354	0.0628	<0.0347	<0.0358	<0.0352	<0.0354	<0.0362	<0.034
Benzo(a)Anthracene	0.088	3.9	17	<0.0305	<0.00302	<0.00311	<0.003	<0.00292	<0.00277	<0.00294	<0.00305	0.464	0.106	<0.0308	<0.0304	<0.0305	<0.0312	<0.0293
Benzo(a)Pyrene	0.0088	0.39	48	<0.028	<0.00277	<0.00286	<0.00276	<0.00269	<0.00255	<0.00271	<0.00281	0.677	0.172	<0.0284	<0.0279	<0.0281	<0.0287	<0.027
Benzo(b)Fluoranthene	0.088	3.9	360	<0.0134	<0.00133	<0.00137	<0.00132	<0.00129	<0.00122	<0.0013	<0.00134	1.06	0.325	<0.0136	<0.0134	<0.0134	<0.0137	<0.0129
Benzo(ghi)Perylene	1.8	39	6,800	<0.0122	<0.00121	<0.00124	<0.0012	<0.00117	<0.00111	<0.00118	<0.00122	0.805	0.326	<0.0123	<0.0122	<0.0122	<0.0125	<0.0117
Benzo(k)Fluoranthene	0.88	39	870	<0.0146	<0.00145	<0.00149	<0.00144	<0.0014	<0.00133	<0.00141	<0.00147	0.322	0.0965	<0.0148	<0.0146	<0.0147	<0.015	<0.0141
Chrysene	8.8	390	87	<0.0244	<0.00241	<0.00249	<0.0024	<0.00234	<0.00222	<0.00236	<0.00244	0.446	0.11	<0.0247	<0.0243	<0.0244	<0.0249	<0.0234
Dibenzo(a,h)Anthracene	0.0088	0.39	38	<0.0171	<0.00169	<0.00174	<0.00168	<0.00164	<0.00155	<0.00165	<0.00171	0.0441A	0.402	<0.0173	<0.017	<0.0171	<0.0175	<0.0164
Fluoranthene	600	40,000	500	<0.0317	<0.00314	<0.00323	<0.00313	<0.00304	<0.00288	<0.00306	<0.00317	0.568	0.125	<0.0321	<0.0316	<0.0317	<0.0324	<0.0305
Fluorene	600	40,000	100	<0.0426	<0.00422	<0.00435	<0.00421	<0.00409	<0.00388	<0.00412	<0.00427	<0.0382	<0.0419	<0.0432	<0.0425	<0.0427	<0.0436	<0.041
Indeno(1,2,3-cd)Pyrene	0.088	3.9	680	<0.0207	<0.00205	<0.00211	<0.00204	<0.00199	<0.00188	<0.002	<0.00208	0.848	0.327	<0.021	<0.0207	<0.0208	<0.0212	<0.0199
Naphthalene	20	110	0.4	<0.0475	<0.0047	<0.00485	<0.00469	<0.00456	<0.00432	<0.00459	<0.00476	<0.043	<0.0467	<0.0481	<0.0474	<0.0476	<0.0486	<0.0457
Phenanthrene	18	390	1.8	0.0657	0.00456J	<0.00199	<0.00192	<0.00187	<0.00177	<0.00188	<0.00195	0.194	0.0423	<0.0197	<0.0194	<0.0195	<0.02	<0.0188
Pyrene	500	30,000	8,700	<0.0378	<0.00374	<0.00386	<0.00373	<0.00362	<0.00344	<0.00365	<0.00379	0.637	0.157	<0.0382	<0.0377	<0.0379	<0.0387	<0.0363
	NR 720 Generic RCLs or EPA Region IX Preliminary Remediation Goals																	
	Direct Contact Pathway																	
	Residential	Industrial	Groundwater Pathway															
VOCs (mg/kg)																		
1,2,4-Trimethylbenzene	52	170	4.1	<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
cis-1,2-Dichloroethylene	43	150	0.4	<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Ethylbenzene			2.9	<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Isopropyl Ether				<1.22	<2.41	<0.025	<0.24	<0.023	<0.022	<0.024	<0.024	<0.022	<0.024	<0.025	<0.024	<0.024	<0.025	<0.023
m- & p-Xylene			4.1	<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Naphthalene				<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0334	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
n-Butylbenzene	140	240		<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
o-Xylene			4.1	<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
sec-Butylbenzene	110	220		<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0701	<0.025	<0.025	<0.025	<0.025	<0.025
Tetrachloroethylene	5.7	19	0.06	32	322	0.0944	0.0481	<0.025	<0.025	<0.025	<0.025	0.42	0.112	<0.025	<0.025	<0.025	<0.025	0.6105
Toluene			1.5	<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
trans-1,2-Dichloroethylene	63	210	0.2	<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Trichloroethylene	2.8	6.1	0.006	<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.064
Vinyl Chloride	0.15	0.83	0.01	<1.00	<2.00	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025

Notes:
PAHs = Polynuclear Aromatic Hydrocarbons
VOCs = Volatile Organic Compounds
A = Exceedance of Generic RCL for protection of human health due to direct contact for non-industrial sites.
B = Exceedance of Generic RCL for protection of human health due to direct contact for industrial sites.
C = Exceedance of Generic RCL for protection of groundwater quality.
D = NR 720 Generic RCLs based on protection of groundwater.
E = Exceedance of EPA Region III Risk-Based Concentration for ingestion at a residential site.
F = Exceedance of EPA Region III Risk-Based Concentration for ingestion at an industrial site.
G = Exceedance of EPA Region III Risk-Based Concentration for transfer from soil to groundwater.
Bold indicates value above detection limit.
J = Estimated concentration below laboratory quantitation level.

APPENDICES

Appendix A - Test Pit Logs

Appendix B - Geoprobe Boring Logs and Abandonment Forms

Appendix C - Soil Boring Logs and Abandonment Forms

Appendix D - Monitoring Well Construction and Development Forms

Appendix E - QA/QC Supplemental Information (Audit Results, Detection Limit Memo and GFAA SOP)

Appendix F - Soil and Sludge Laboratory Analytical Results

Appendix G - Groundwater Laboratory Analytical Results

APPENDIX A

Test Pit Logs

STS Construction Services Group
Test Pit Field Record

TEST PIT NO. 1

Project C & L Industrial Cleaners — STS Project No. 86415XB Task 2000

Location Kenosha, Wisconsin — Date 4/23/01

Weather Sunny, 70°

Time Started 8:30

Time Completed 9:00

Ground Elevation

EXCAVATION EQUIPMENT

contractor A.W. Oakes — make Rubber tire back hoe

operator Steve — model 416B

capacity 0.25 c.y. — reach 12 ft

DEPTH	QP	DCP	SAMPLE NO.	Soil Description	water cont.	excav. effort	boulder count Qty. Cl.	PID
0				Concrete rubble pile on ground surface, moved with backhoe				
1'			S 01	Silty Sand, little pieces of scrap metal, wood and a rubber tire - dark brown to black - moist	moist	E		0.0
2'								
FILL 3'			S 02	Some silt, wet @ 2' bgs	wet	E		0.0
4'								
5'								
6'			S03	Fine to med. sand - brown - wet	wet	E		1.2
7'			S 04	Fine to medium sand - brown - wet	wet	E		0.0
8'								
9'			S05	Silty Clay, trace sand - gray-brown - moist	moist	E		0.0
10'								
11'								
12'								
13'								
14'								

REMARKS: Located next to B-10

QP = Calibrated Penetronometer (tons/ft²)

PROPORTIONS USED

trace(tr.)	0-10%
little(lt.)	10-20%
some(so.)	20-35%
and	35-50%

ABBREV.

F—Fine
M—Medium
C—Course
V—Very
Gr.—Gray
Bn.—Brown
Yel.—Yellow

EXCAVATION EFFORT

E—Easy
M—Moderate
D—Difficult

GROUNDWATER

Elapsed time to reading 2 (hrs.) G.W.L.

STS Construction Services Group
Test Pit Field Record

TEST PIT NO. 2

Project C & L Industrial Cleaners — STS Project No. 86415XB

Location Kenosha, Wisconsin — Date 4/23/01

Weather Cloudy, 65°

Time Started 9:45

Time Completed 10:10

Ground Elevation

EXCAVATION EQUIPMENT

contractor A.W. Oakes — make rubber tire backhoe

operator Steve — model 416B

capacity 0.25 c.y. — reach 12 ft.

DEPTH	QP	DCP	SAMPLE NO.	Soil Description	water cont.	excav. effort	boulder count Qty. Cl.	PID
0				Concrete rubble pile adjacent to west side of test pit				
1'			S 01	Fill: Silt(topsoil), little sand & clay little concrete slabs & wood, hub caps	Moist	E		0.0
2'			S 02	Fill: Sandy Silt, little wood & concrete - brown - moist	Moist	E		0.0
3'								
4'			S 03	Fine to medium Sand - brown to gray to black - wet	wet	E		0.0
5'								
6'			S 04	Fine to medium Sand - brown to gray to black - wet	wet	E		0.0
7'								
8'			S 05	Silty fine to medium Sand - gray-brown - wet	wet	E		0.0
9'								
10'								
11'								
12'								
13'								
14'								

REMARKS: PID working strange at first - after turning PID on it read 6-7 instead of 0.0. Recalibrated after S01 and remeasured.

QP = Calibrated Penetronometer (tons/ft²)

PROPORTIONS USED

trace(tr.)	0-10%
little(lt.)	10-20%
some(so.)	20-35%
and	35-50%

ABBREV.

F—Fine
M—Medium
C—Course
V—Very
Gr.—Gray
Bn.—Brown
Yel.—Yellow

EXCAVATION EFFORT

E—Easy
M—Moderate
D—Difficult

GROUNDWATER

Elapsed time to reading ▽ 2 (hrs.) G.W.L.

STS Construction Services Group
Test Pit Field Record

TEST PIT NO. 3

Project C & L Industrial Cleaners — STS Project No. 86415XB

Location Kenosha, Wisconsin — Date 4/23/01

Weather 65°, Partly cloudy

Time Started 11:00

Time Completed 11:15

Ground Elevation

EXCAVATION EQUIPMENT

contractor A.W. Oakes — make rubber tire back hoe

operator Steve — model 416B

capacity 0.25 c.y. — reach 12 ft.

DEPTH	QP	DCP	SAMPLE NO.	Soil Description	water cont.	excav. effort	boulder count Qty. Cl.	PID
0				No piles of rubble near this location.				
1'			S 01	Fill: Fine to medium Sand, little wood - brown - moist	moist	E		0.0
2'								
3'				Fill: Tires, exhaust pipes. steering wheel, wood boards, electrical conduit or possibly some other type of piping, metal from cars(?), engine block or motor (backhoe operator noticed oil-like odors), muffler				
4'								
5'								
6'								
7'								
8'								
9'			S 02	Silt, little clay - brown - moist	wet	E		0.0
10'								
11'								
12'								
13'								
14'								

REMARKS:

QP = Calibrated Penetronometer (tons/ft²)

PROPORTIONS USED

trace(tr.)	0-10%
little(lt.)	10-20%
some(so.)	20-35%
and	35-50%

ABBREV.

F—Fine
M—Medium
C—Course
V—Very
Gr.—Gray
Bn.—Brown
Yel.—Yellow

EXCAVATION EFFORT

E—Easy
M—Moderate
D—Difficult

GROUNDWATER

Elapsed time to reading ▽ (hrs.) G.W.L.

STS Construction Services Group
Test Pit Field Record

TEST PIT NO. 4

Project C & L Industrial Cleaners — STS Project No. 86415XB

Location Kenosha, Wisconsin — Date 4/23/01

Weather _____

Time Started 11:50 — Time Completed 12:20 — Ground Elevation _____

EXCAVATION EQUIPMENT

contractor A.W. Oakes — operator Steve — capacity 0.25 c.y.

make rubber tire back hoe — model 416B — reach 12 ft.

DEPTH	QP	DCP	SAMPLE NO.	Soil Description Piles of rubble at east end of test pit.	water cont.	excav. effort	boulder count Qty. Cl.	PID
0								
1'			S01	Possible Fill: Silty fine to medium Sand trace gravel - dark brown - moist	moist	E		1.6
2'								
3'			S02	Possible Fill: Silt, little sand, trace to little plant roots - brown to black - moist	moist	E		0.0
4'								
5'			S03	Silt, plant roots - black - moist	moist	E		0.5
6'			S04	Sandy Silt, little clay - brown & gray mottling - moist to wet	moist	E		0.0
7'								
8'			S05	Silty fine Sand - brown & gray mottling - moist	moist	E		0.0
9'								
10'								
11'								
12'								
13'								
14'								

REMARKS:

QP = Calibrated Penetronometer (tons/ft²)

PROPORTIONS USED

trace(tr.)	0-10%
little(lt.)	10-20%
some(so.)	20-35%
and	35-50%

ABBREV.

F—Fine
M—Medium
C—Course
V—Very
Gr.—Gray
Bn.—Brown
Yel.—Yellow

EXCAVATION EFFORT

E—Easy
M—Moderate
D—Difficult

GROUNDWATER

Elapsed 2 (hrs.) time to reading G.W.L.

STS Construction Services Group
Test Pit Field Record

TEST PIT NO. 5

Project C & L Industrial Cleaners — STS Project No. 86415XB

Location Kenosha, Wisconsin — Date 4/23/01

Weather 65°, Rain

Time Started 13:00

Time Completed 13:20

Ground Elevation

EXCAVATION EQUIPMENT

contractor A.W. Oakes — make rubber tire back hoe

operator Steve — model 416B

capacity 0.25 c.y. — reach 12 ft.

DEPTH	QP	DCP	SAMPLE NO.	Soil Description	water cont.	excav. effort	boulder count Qty. Cl.	PID
0				Some small asphalt slabs in this location.				
1'			S 01	Fill: Fine to medium Sand, little silt, little pieces of asphalt - dark brown - moist	moist	E		0.0
2'			S 02	Fill: Silty fine to medium Sand (poss. foundry sand), trace clay,*	moist to wet	E		0.0
3'			S 03	Silty Clay - mottled brown & gray - moist	moist	E		0.0
4'			S 04	Silty Clay - mottled brown & gray - moist	moist	E		0.0
5'			S 05	Sandy Silt - gray - wet	wet	E		0.0
6'								
7'								
8'				* little pieces of asphalt - dark brown - moist to wet				
9'								
10'								
11'								
12'								
13'								
14'								

REMARKS:

QP = Calibrated Penetronometer (tons/ft²)

PROPORTIONS USED

trace(tr.)	0-10%
little(lt.)	10-20%
some(so.)	20-35%
and	35-50%

ABBREV.

F—Fine
M—Medium
C—Course
V—Very
Gr.—Gray
Bn.—Brown
Yel.—Yellow

EXCAVATION EFFORT

E—Easy
M—Moderate
D—Difficult

GROUNDWATER

Elapsed time to reading ▽ (hrs.) G.W.L.

APPENDIX B

Geoprobe Boring Logs and Abandonment Forms

State of Wisconsin
Department of Natural Resources

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		G-1

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	4/30/2001	4/30/2001	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				Feet	1" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 18		0	Concrete				0.0						
			1.5	Fine Sand, trace silt, trace coarse sand and gravel, trace broken concrete and gravel at top - brown	SP									
2 GP	24 20		3.0	Silty sandy Clay, trace gravel - brown	CL			0.2						
3 GP	24 16		4.5	Fine Sand, trace silt - brown - moist to wet				0.8						
4 GP	24 16		6.0		SP			1.8						
5 GP	24 22		7.5					0.0						
			9.0											
6 GP	24 22		10.5	Silty Clay - gray - wet	CL			0.6						
7 GP	24 20		12.0	Fine Sand, trace silt - gray - wet				1.0						
			13.5		SP									
8 GP	24 20		15.0					0.4						
				Silty Clay - gray - wet	CL									
				END OF BORING Boring advanced to 16 feet by Geoprobe. Temporary groundwater monitoring well installed. Well abandoned on 5/2/01.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Janette Oldenburg Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INF
Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		G-2

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	4/30/2001	4/30/2001	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				Feet	1" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 14		1.5	Fill: Silty fine to coarse Sand, trace gravel - brown to black - moist	SM			0.4						
2 GP	24 14		3.0					0.4						
3 GP	24 20		4.5	Silty sandy Clay, trace gravel - brown - moist	CL			0.6						
4 GP	24 16		6.0	Fine Sand, trace silt - brown to gray - moist to wet by 8'				0.4						
5 GP	24 19		7.5					0.2						
6 GP	24 18		9.0		SP			0.2						
7 GP	24 22		10.5					0.4						
8 GP	24 24		12.0					0.4						
			13.5	Clayey Silt - gray - wet	ML									
			15.0	END OF BORING Boring advanced to 16 feet by Geoprobe. Temporary groundwater monitoring well installed. Well abandoned on 5/2/01.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Robert McLeod Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		G-3

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	4/30/2001	4/30/2001	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				Feet	1" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 / 20		0	Concrete				0.0						
			1.5	Fill: Silty fine to coarse Sand, little gravel, trace to little broken concrete - brown to black - moist - slight chemical odor	SM									
2 GP	24 / 18		3.0	Silt, trace fine sand, trace gravel - black - moist	ML			0.0						
3 GP	24 / 18		4.5	Silty fine to medium Sand, trace clay, trace gravel - brown - moist	SM			0.0						
			6.0	Fine sandy silty Clay - gray - moist to wet										
4 GP	24 / 18							0.0						
			7.5		CL									
5 GP	24 / 22		9.0					0.0						
6 GP	24 / 16		10.5	Fine Sand, trace to little silt - gray - wet				0.0						
7 GP	24 / 12		12.0		SP/SM			0.0						
			13.5											
8 GP	24 / 22		15.0					0.0						
				END OF BORING Boring advanced to 16 feet by Geoprobe. Temporary groundwater monitoring well installed. Well abandoned on 5/2/01.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Paulette Altenbach Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		G-4

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	4/30/2001	4/30/2001	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				Feet	1" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 18		1.5	Fill: Silty fine to coarse Sand, trace to little gravel - grayish brown - moist	SM			0.0						
2 GP	24 18		3.0	Silt, trace fine to coarse sand - black - moist	ML			0.0						
3 GP	24 24		4.5	Silty sandy Clay - brown - moist	CL			0.0						
4 GP	24 24		6.0	Fine Sand, trace silt - brown - moist to wet by 8'				0.0						
5 GP	24 20		7.5	(6" silt layer at 11.5')				0.0						
6 GP	24 18		9.0		SP			0.0						
7 GP	24 24		10.5					0.0						
8 GP	24 24		12.0					0.0						
			13.5	Silty Clay - wet	CL									
			15.0	END OF BORING Boring advanced to 16 feet by Geoprobe. Temporary groundwater monitoring well installed. Well abandoned on 5/2/01.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm STS Consultants, Ltd. 11425 W. Lake Park Drive, Milwaukee, WI. 53224 Tel: (414) 359-3030 Fax: (414) 359-0822

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

tate of Wisconsin
Department of Natural Resources

SOIL B
Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		G-5

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	4/30/2001	4/30/2001	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				Feet	1" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E

Lat. ° ' "
Long. ° ' "

Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 14		1.5	Fill: Silty fine to coarse Sand, trace gravel, trace clay - moist to wet by 5'				0.6						
2 GP	24 14		3.0		SM			0.6						
3 GP	24 20		4.5					2.3						
4 GP	24 16		6.0	Fine Sand, trace silt - brown to gray - wet				0.6						
5 GP	24 8		7.5					0.6						
6 GP	24 4		9.0		SP			0.8						
7 GP	24 6		10.5					1.2						
8 GP	24 4		12.0					1.0						
			13.5	Silt, trace very fine sand and clay - gray - wet	ML									
			15.0	END OF BORING Boring advanced to 16 feet by Geoprobe. Temporary groundwater monitoring well. Well abandoned on 5/2/01.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Donald A. Hebard | Firm: STS Consultants, Ltd. 11425 W. Lake Park Drive, Milwaukee, WI. 53224 | Tel: (414) 359-3030 Fax: (414) 359-0822

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location –

County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name:

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB-

Original Well Owner (If Known):

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): G-1

WI Unique Well No.:

Reason For Abandonment: temporary well

Date of Abandonment: 05/02/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From groundsurface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 5.2

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☒ Yes	☐ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: no

Was Casing Cut Off Below Surface?	☐ Yes	☒ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☒ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete	Surface	0.5		
Bentonite chips	0.5	16.0	<0.1 cubic ft.	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants, Ltd.

Signature of Person Doing Work: Gerald Alden Bank Date Signed: 10/4/01

Street or Route: 11425 West Lake Park Drive
Telephone Number: 414-359-3030
City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location – County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB-

Original Well Owner (If Known)

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): G-2

WI Unique Well No.

Reason For Abandonment: temporary well

Date of Abandonment: 05/02/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) _____ Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 6.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☒ Yes	☐ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: no

Was Casing Cut Off Below Surface?	☐ Yes	☒ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☒ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete	Surface	0.5		
Bentonite chips	0.5	16.0	<0.1 cubic ft.	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants, Ltd.

Signature of Person Doing Work: Daniel A. Heubach — Date Signed: 10/4/01

Street or Route: 11425 West Lake Park Drive — Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location –

County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB

Original Well Owner (If Known)

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): G-3

WI Unique Well No.

Reason For Abandonment: temporary well

Date of Abandonment: 05/02/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From groundsurface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 5.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☒ Yes	☐ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: no

Was Casing Cut Off Below Surface?	☐ Yes	☒ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☒ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete	Surface	0.5		
Bentonite chips	0.5	16.0	<0.1 cubic ft.	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants, Ltd.

Signature of Person Doing Work: Kenneth Altenbaul — Date Signed: 10-4-01

Street or Route: 11425 West Lake Park Drive — Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB-2

Original Well Owner (If Known)

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): G-4

WI Unique Well No.

Reason For Abandonment: temporary well

Date of Abandonment: 05/02/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From groundsurface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 5.4

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☒ Yes	☐ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: no

Was Casing Cut Off Below Surface?	☐ Yes	☒ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☒ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete	Surface	0.5		
Bentonite chips	0.5	16.0	<0.1 cubic ft.	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
STS Consultants, Ltd.

Signature of Person Doing Work: Daniel P. Steabaul — Date Signed: 10/4/01

Street or Route: 11425 West Lake Park Drive — Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location –
County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W
(If Applicable)
Gov't Lot ____ Grid Number ____
Grid Location
____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.
Civil Town Name
Street Address of Well: 8927 Sheridan Rd.
City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB-
Original Well Owner (If Known)
Present Well Owner: City of Kenosha
Street or Route: 625 52nd St., Room 308
City, State, Zip Code: Kenosha, WI 53140
Facility Well No. and/or Name (If Applicable): G-5
WI Unique Well No.
Reason For Abandonment: temporary well
Date of Abandonment: 05/02/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) ____

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) ____
Casing Diameter (in.) ____
Casing Depth (ft.) ____
Lower Drillhole Diameter (in.) ____

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) 5.8
Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable
Screen Removed? ☒ Yes ☐ No ☐ Not Applicable
Casing Left in Place? ☐ Yes ☒ No
If No, Explain no

Was Casing Cut Off Below Surface? ☐ Yes ☒ No
Did Sealing Material Rise to Surface? ☒ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☒ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☒ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Concrete	Surface	0.5		
Bentonite chips	0.5	16.0	<0.1 cubic ft.	

(8) Comments ____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants, Ltd.
Signature of Person Doing Work: [signature]
Date Signed: 10/4/01
Street or Route: 11425 West Lake Park Drive
Telephone Number: 414-359-3030
City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY
Date Received/Inspected | District/County
Reviewer/Inspector | ☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary

DNR/COUNTY

APPENDIX C

Soil Boring Logs and Abandonment Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-1

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	4/30/2001	4/30/2001	HSA

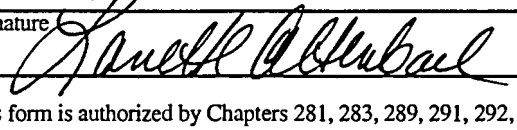
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			8.0	617.43 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
9991.3 Feet ☐ S ☒ N 9948.9 Feet ☐ W ☒ E

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 6	12 15 15 16	1.5	Fill: Silty fine to coarse Sand, trace to little gravel - brown - moist - dense	SM			4.5						
2 SS	24 14	13 9 8 8	3.0 4.5	Silty fine to medium Sand, few thin black silt seams - moist - medium dense	SM			1.6						
3 SS	24 24	3 4 4 6	6.0	Silty Clay, trace fine to coarse sand - gray and brown mottled - moist - medium dense	CL			0.8						
4 SS	24 18	5 7 11 13	7.5 9.0	Fine Sand, trace silt with occasional thin silt seams - gray - moist to wet by 7.5' - medium dense	SP		▼	0.6						
5 SS	24 21	7 11 13 15	10.5 12.0					1.2						
6 SS	24 24	7 11 13 20	13.5	Silt, trace clay - gray - wet - dense	ML			0.8						
				END OF BORING Boring advanced to 14.5 feet by hollow stem auger. Borehole abandoned with bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm STS Consultants, Ltd. 11425 W. Lake Park Drive, Milwaukee, WI. 53224 Tel: (414) 359-3030 Fax: (414) 359-0822

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-2

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	4/30/2001	4/30/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			8.0	617.20 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☒ N ☒ E
10002.4 Feet ☐ S 10036.7 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 12	6 6 5 5	1.5	Fill: Silty fine to coarse Sand, trace clay, trace gravel - brown - moist - medium dense	SM			0.8						
2 SS	24 18	4 4 6 8	3.0	Silt, trace clay and organics - black - moist - medium dense	OL			1.2						
3 SS	24 3	3 5 7 8	4.5 6.0	Silty fine to coarse Sand, trace clay - black and brown - moist - medium dense	SM			0.8						
4 SS	24 20	3 4 13 15	7.5 9.0	Fine Sand, trace silt - brown - wet - medium dense	SP		▼	1.6						
5 SS	24 24	7 11 12 13	10.5 12.0	Silt, trace to little clay - wet - medium dense	ML			1.0						
6 SS	24 24	4 12 20 23	13.5	Fine Sand, trace silt - grayish brown - wet - medium dense	SP			0.8						
				Silt, trace clay - grayish brown - wet - dense	ML									
				END OF BORING Boring advanced to 14.5 feet by hollow stem auger. Boring backfilled with bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm STS Consultants, Ltd. Tel: (414) 359-3030
11425 W. Lake Park Drive, Milwaukee, WI. 53224 Fax: (414) 359-0822

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-3

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	4/30/2001	4/30/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PC283		B-3		618.26 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☒ N 9900.1 Feet ☐ S ☒ E 9905.4 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 10	2 2 3 4	1.5	Silty fine to coarse Sand, trace organics - light gray to brown - moist - loose	SM			0.0						
2 SS	24 12	3 4 4 5	3.0	Silty fine Sand - brown to gray - moist to wet by 7.5' - loose to medium dense				0.4						
3 SS	24 24	4 4 4 4	4.5 6.0	(Tech. note: 1" clay seam at 5.8')	SM			0.0						
4 SS	24 12	4 4 7 12	7.5 9.0					0.0						
5 SS	24 14	8 12 8 8	10.5 12.0	Silt, trace to little fine sand, trace clay, layers of silty clay interbedded, thin 1" fine sand seams - gray - wet - medium dense	ML			0.0						
6 SS	24 12	10 10 11 12	13.5					0.2						
7 SS	24 14	8 12 17 19	15.0 16.5					0.0						
				END OF BORING Boring advanced to 17 feet by hollow stem auger. Groundwater monitoring well installed.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Janette Altenbach Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

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State of Wisconsin
Department of Natural Resources

SOIL BORI
Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-4

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	4/30/2001	4/30/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				618.22 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☒ N 9904.1 Feet ☐ S ☒ E 10009.2 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 2	1 1 2 1	1.5	Fill: hit concrete block, poor sample recovery										
2 SS	24 12	3 3 4 4	3.0	Organic Silt, trace fine sand, trace clay - brown to black - moist - loose	OL			0.2						
3 SS	24 18	3 4 4 3	4.5 6.0					0.0						
4 SS	24 12	7 9 9 14	7.5 9.0	Clayey silt, trace fine sand - light yellowish brown - moist - loose	ML									
5 SS	24 12	10 13 15 17	10.5 12.0	Fine Sand, trace to little silt - light grayish brown - moist to wet by 10' - medium dense	SP/SM			0.0						
6 SS	24 24	10 13 17 19	13.5	Silt, little to some fine sand, occasional thin clay seams - gray - wet - dense	ML			0.0						
				END OF BORING Boring advanced to 14.5 feet by hollow stem auger. Boring abandoned with bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Janette Ackenbach | Firm: STS Consultants, Ltd. 11425 W. Lake Park Drive, Milwaukee, WI. 53224 | Tel: (414) 359-3030 Fax: (414) 359-0822

State of Wisconsin
Department of Natural Resources

SOIL BORI
Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-5

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	4/30/2001	4/30/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PC282		B-5		618.34 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☒ N ☒ E
9919.5 Feet ☐ S 10027.1 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 24	3 3 4 5	1.5	Silty fine Sand, trace gravel - moist - loose - chemical odor	SM			3.1						
2 SS	24 6	6 7 8 8	3.0 4.5	Clayey Silt, trace fine sand, trace gravel - brown to black - moist - medium dense (Tech note: rock in tip of spoon 5-7')	ML			1.0						
3 SS	24 2	8 8 4 5	6.0					NA						
4 SS	24 20	4 7 10 12	7.5 9.0	Silty fine Sand - moist to wet by 7.5' - medium dense	SM			0.0						
5 SS	24 24	10 12 14 17	10.5 12.0					0.0						
6 SS	24 24	8 8 7 8	13.5	Fine Sand, trace silt - wet - medium dense	SP			0.0						
				Clayey Silt - wet - medium dense	ML									
7 SS	24 24	8 12 7 10	15.0 16.5	Fine Sand, trace silt - wet - medium dense	SP			0.0						
				Silt, trace clay - wet - medium dense	ML									
				END OF BORING Boring advanced to 17 feet by hollow stem auger. Groundwater monitoring well installed.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Daniel Altenbaul
Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-6

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	5/1/2001	5/1/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PC281		B-6		618.50 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☒ N 9938 Feet ☐ S ☒ E 10033.4 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 / 20	12 17 17 18	1.5	Fill: Silty fine to coarse Sand, trace to little gravel - brown to black - moist - dense to medium dense				6.3						
2 SS	24 / 18	12 8 8 8	3.0 / 4.5	(Tech. Note: clay tile at 2.5-4.5')	SM			9.4						
3 SS	24 / 24	4 2 2 3	6.0 / 7.5	Sandy Clay, little to some fine sand, trace coarse sand and fine gravel - brown to yellowish brown - moist - loose	CL			5.4						
4 SS	24 / 18	6 8 12 14	9.0	Fine Sand, trace to little silt, trace gravel - brown to gray - wet - medium dense				1.8						
5 SS	24 / 12	12 20 22 24	10.5 / 12.0		SP/SM			0.0						
6 SS	24 / 24	12 14 15 18	13.5					0.0						
				Silt - gray - wet - dense	ML									
7 SS	24 / 24	8 10 12 14	15.0	Fine Sand, trace silt - brownish gray - wet - med dense	SP			0.0						
			16.5	Silt - gray - wet - medium dense	ML									
				END OF BORING Boring advanced to 17 feet by hollow stem auger. Groundwater monitoring well installed.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Lonette M. Heubel Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030 Fax: (414) 359-0822

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-7

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	5/2/2001	5/2/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PC284		B-7		615.28 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☒ N 9994.6 Feet ☐ S ☒ E 10178.5 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 12	3 3 4 4	1.5	Fill: Fine to coarse Sand and silty Clay, trace to little gravel - brown to black - moist - loose	SM			0.0						
2 SS	24 18	8 10 8 7	3.0 4.5	Silty fine Sand, trace organics - brown - moist - medium dense	SM			7.7						
3 SS	24 20	3 4 5 7	6.0	Organic Silt, trace fine sand - black - moist loose	OL			0.0						
4 SS	24 24	5 10 9 8	7.5 9.0	Silty fine Sand, trace clay pockets, trace gravel - brown to gray by 8' - moist to wet by 8' - loose to medium dense	SM			0.0						
5 SS	24 18	8 8 7 8	10.5 12.0	Silt, trace clay and fine sand - gray - wet - medium dense	ML			0.0						
6 SS	24 20	7 12 11 8	13.5	Fine silty Sand - gray - wet - medium dense	SM			0.0						
7 SS	24 24	6 6 7 8	15.0 16.5	Silt, trace fine sand - gray - wet - medium dense	ML			0.0						
				END OF BORING Boring advanced to 17 feet by hollow stem auger. Groundwater monitoring well installed.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Janette Ackerbauer Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-9

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	5/2/2001	5/2/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				615.39 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E

Lat. ° ' "
Long. ° ' "

Local Grid Location (If applicable)
☒ N ☒ E
9942.9 Feet ☐ S 10355.8 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 12	3 3 4 5	1.5	Fill: Silty fine to coarse Sand, trace clay and gravel - brown - moist - loose to medium dense (split spoon refusal at 3.5') - chemical odor	SM			0.0						
2 SS	12 12	4 12	3.0					0.0						
			4.5											
3 SS	24 24	8 8 10 14	6.0	Sandy clayey Silt - brown - moist to wet by 5' - medium dense	ML			3.1						
4 SS	24 6	9 11 15 16	7.5 9.0					0.0						
5 SS	24 24	10 16 16 19	10.5	Silty fine Sand, trace clay - brown - wet - medium dense	SM			0.0						
			12.0	Silt, trace fine sand - gray - wet - medium dense	ML									
6 SS	24 12	10 12 19 22	13.5					0.0						
				END OF BORING Boring advanced to 14.5 feet by hollow stem auger. Boring abandoned with bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Daniel R. Schaefer Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-11

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	5/2/2001	5/2/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				614.80 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☒ N 9919 Feet ☐ S ☒ E 10503.9 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 18	6 6 5 4	1.5	Fill: Silty fine to coarse Sand, trace gravel, trace glass and roots - brown to black - moist - medium dense				0.0						
2 SS	24 0		3.0	(Split spoon refusal at 2.5 feet.)	SM									
			4.5											
3 SS	24 14	6 6 7 7	6.0	Clayey Silt, trace coarse sand and gravel - gray and brown mottled - moist - medium dense	ML			0.0						
			7.5		SM									
4 SS	24 24	6 8 11 12	9.0	Fine to medium silty Sand, trace organics - black - moist - medium dense	ML			0.0						
				Clayey Silt, trace coarse sand - mottled gray - moist - medium dense										
5 SS	24 24	7 8 10 11	10.5	Fine Sand, trace to little silt, trace organics, silty clay seam at 11.8-12' - brown-gray - wet - medium dense	SP			0.0						
			12.0											
6 SS	24 24	8 11 12 12	13.5	Silty Clay, trace coarse sand - gray - wet - medium dense	CL			0.0						
				END OF BORING Boring advanced to 14.5 feet by hollow stem auger. Boring abandoned using bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-12

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	5/1/2001	5/1/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PC285		B-12		615.99 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☒ N 9951.2 Feet ☐ S ☒ E 10602.2 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 / 12	3 3 4 7	1.5	Fill: Silty Clay, little fine to coarse sand, trace roots - moist - loose	CL			0.0						
2 SS	24 / 18	5 9 11 14	3.0	Organic silt, little fine sand - black - moist - medium dense	OL			0.0						
			4.5	Silt, little to some fine sand - yellowish brown - moist - medium dense	ML									
3 SS	24 / 24	7 9 10 13	6.0	Organic Silt, trace fine sand - black - moist - medium dense - chemical odor	OL			0.0						
			7.5	Silty Clay, some fine to coarse sand, trace gravel - moist to wet by 9.5' - medium dense	CL									
4 SS	24 / 18	10 13 14 16	9.0					0.0						
5 SS	24 / 18	12 16 19 22	10.5					0.0						
			12.0	Fine silty Sand - gray - wet - medium dense	SM									
6 SS	24 / 24	11 14 17 17	13.5					0.0						
			15.0	Silt, trace very fine sand, fine sand seam 15-16' - gray - wet - medium dense	ML									
7 SS	24 / 20	10 14 16 16	16.5					0.0						
				END OF BORING Boring advanced to 17 feet by hollow stem auger. Groundwater monitoring well installed.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Paulette Abrahamson Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-15

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	5/2/2001	5/2/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				611.65 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☒ N 9960.7 Feet ☐ S ☒ E 10898.6 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 14	3 4 4 5	1.5	Fill: Silty Clay, little to some fine to coarse sand and gravel - brownish gray to black - moist - loose to medium dense				0.0						
2 SS	24 18	5 5 7 9	3.0 4.5		ML			0.0						
3 SS	24 20	2 3 3 3	6.0	Clayey Silt, trace fine sand - black - moist - loose	ML			0.0						
4 SS	24 24	4 5 6 9	7.5 9.0	Silt, trace to little clay, trace fine sand, thin silty clay seam at 9.2' - brownish gray - wet - medium dense				0.0						
5 SS	24 12	7 9 9 15	10.5 12.0		ML			0.0						
6 SS	24 12	5 11 15 19	13.5	END OF BORING Boring advanced to 14.5 feet by hollow stem auger. Boring abandoned with bentonite chips.				0.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Randall Altenbach Firm: STS Consultants, Ltd. 11425 W. Lake Park Drive, Milwaukee, WI. 53224 Tel: (414) 359-3030 Fax: (414) 359-0822

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-16

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	5/1/2001	5/1/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PC286		B-16		612.24 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☒ N ☐ S 9985.1 Feet ☒ E ☐ W 10988.5 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 16	7 8 8 9	1.5	Fill: Silty fine to coarse Sand, trace to little gravel, trace clay - brown - moist (Tech note: buried concrete 2.5-4.5', auger refusal at 5', offset boring 5' west)	SM			0.0						
2 SS	24 0	3 4 5 5	3.0 4.5											
3 SS	24 18	2 2 2 2	6.0	Silty fine Sand, trace organics, trace clay, trace wood - black with reddish brown layers - moist to wet by 8.5' - loose	SM			0.0						
4 SS	24 18	8 17 19 19	7.5 9.0	Silty fine Sand, trace to little silt - brown, black and gray interlayered - wet - dense to extremely dense				0.0						
5 SS	24 8	50/6"	10.5 12.0		SM			0.0						
6 SS	24 8	25/6"	13.5					0.0						
7 SS	24 24	9 14 17 19	15.0	END OF BORING Boring advanced to 15 feet by hollow stem auger. Groundwater monitoring well installed.				0.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMAT

Form 4400-122 Rev. 5-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
C&L Industrial Cleaners - STS Project No. 86415XB-2000		B-17

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
North Shore Drilling - Dean Damato	5/1/2001	5/1/2001	HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				610.01 Feet	8" Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 18, T 1 N, R 23 E

Lat. ° ' "
Long. ° ' "

Local Grid Location (If applicable)
9952 Feet ☐ S ☒ N 10986.5 Feet ☐ W ☒ E

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 12	2 3 3 4	1.5	Fill: Silty fine to coarse Sand, trace gravel, trace clay - brown	SM									
2 SS	24 16	2 3 3 4	3.0 4.5	Silt, trace fine to medium sand, trace organics - black - moist - loose - slight chemical odor	OL									
3 SS	24 24	2 3 3 3	6.0 7.5	Silty fine Sand, trace clay - black with gray layers - moist - loose - slight chemical odor	SM									
4 SS	24 6	25/6"	9.0	Silt, trace fine sand, trace gravel and draintile - black - moist to wet by 10' - very dense	OL									
5 SS	24 16	25/6"	10.5 12.0	Fine Sand, trace silt - gray - wet - very dense	SP									
6 SS	24 24	8 10 11 12	13.5	Silt - gray - medium dense	ML									
				END OF BORING Boring advanced to 14.5 feet by hollow stem auger. Borehole abandoned with bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Janette Altenbach Firm: STS Consultants, Ltd.
11425 W. Lake Park Drive, Milwaukee, WI. 53224
Tel: (414) 359-3030
Fax: (414) 359-0822

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location – County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location: 9991.3 ft. ☒ N. ☐ S., 9948.9 ft. ☒ E. ☐ W.

Civil Town Name:

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB

Original Well Owner (If Known):

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): B-1

WI Unique Well No.:

Reason For Abandonment: borehole only

Date of Abandonment: 04/30/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) _____ Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) approx. 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite chips	Surface	14.5	5 cubic ft.	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants, Ltd.

Signature of Person Doing Work: Daniel A. Schlueback Date Signed: 10/4/01

Street or Route: 11425 West Lake Park Drive Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location: 10002.4 ft. ☒ N. ☐ S., 10036.7 ft. ☒ E. ☐ W.

Civil Town Name

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XI

Original Well Owner (If Known)

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): B-2

WI Unique Well No.

Reason For Abandonment: borehole only

Date of Abandonment: 04/30/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) _____ Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) approx. 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite chips	Surface	14.5	5 cubic ft.	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
STS Consultants, Ltd.

Signature of Person Doing Work: Danielle M. Lubar
Date Signed: 10/14/01

Street or Route: 11425 West Lake Park Drive
Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) Gov't Lot ____ Grid Number ____

Grid Location: 9904.1 ft. ☒ N. ☐ S., 10009.2 ft. ☒ E. ☐ W.

Civil Town Name:

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB

Original Well Owner (If Known):

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): B-4

WI Unique Well No.:

Reason For Abandonment: borehole only

Date of Abandonment: 04/30/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) ____

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) ____ Casing Diameter (in.) ____ Casing Depth (ft.) ____

Lower Drillhole Diameter (in.) ____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) approx. 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain ____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite chips	Surface	14.5	5 cubic ft.	

(8) Comments ____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants, Ltd.

Signature of Person Doing Work: [signature] Date Signed: 10/4/01

Street or Route: 11425 West Lake Park Drive Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location –
County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable)
Gov't Lot ______ Grid Number ______

Grid Location
9919.5 ft. ☒ N. ☐ S., 10027.1 ft. ☒ E. ☐ W.

Civil Town Name:

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB

Original Well Owner (If Known):

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): B-5
WI Unique Well No.: PC282

Reason For Abandonment: borehole only

Date of Abandonment: 04/30/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) ______

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ______

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) ______
Casing Diameter (in.) ______
Casing Depth (ft.) ______

Lower Drillhole Diameter (in.) ______

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ______ Feet

(4) Depth to Water (Feet) approx. 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain ______

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite chips	Surface	17.0	6 cubic ft.	

(8) Comments ______

(9) Name of Person or Firm Doing Sealing Work
STS Consultants, Ltd.

Signature of Person Doing Work: [signature]
Date Signed: 10/4/01

Street or Route: 11425 West Lake Park Drive
Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location –

County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location: 9942.9 ft. ☒ N. ☐ S., 10355.8 ft. ☒ E. ☐ W.

Civil Town Name:

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB-

Original Well Owner (If Known):

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): B-9

WI Unique Well No.:

Reason For Abandonment: borehole only

Date of Abandonment: 05/02/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) _____ Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) approx. 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite chips	Surface	14.5	5 cubic ft.	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants, Ltd.

Signature of Person Doing Work: [signature] Date Signed: 10/4/01

Street or Route: 11425 West Lake Park Drive Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location –

County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location: 9919 ft. ☒ N. ☐ S., 10503.9 ft. ☒ E. ☐ W.

Civil Town Name:

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB-

Original Well Owner (If Known):

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): B-11

WI Unique Well No.:

Reason For Abandonment: borehole only

Date of Abandonment: 05/02/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From groundsurface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) approx. 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite chips	Surface	14.5	5 cubic ft.	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants, Ltd.

Signature of Person Doing Work: [signature] Date Signed: 10/4/01

Street or Route: 11425 West Lake Park Drive Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location – County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location: 9960.7 ft. ☒ N. ☐ S., 10898.6 ft. ☒ E. ☐ W.

Civil Town Name

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB

Original Well Owner (If Known)

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): B-15

WI Unique Well No.

Reason For Abandonment: borehole only

Date of Abandonment: 05/02/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From groundsurface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) approx. 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite chips	Surface	14.5	5 cubic ft.	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants, Ltd.

Signature of Person Doing Work: [signature] Date Signed: 10/4/01

Street or Route: 11425 West Lake Park Drive Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location – County: Kenosha

NW 1/4 of SE 1/4 of Sec. 18 ; T. 1 N; R. 23 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location: 9952 ft. ☒ N. ☐ S., 10986.5 ft. ☒ E. ☐ W.

Civil Town Name:

Street Address of Well: 8927 Sheridan Rd.

City, Village: Kenosha

(2) FACILITY NAME C&L Industrial Cleaners - STS Project No. 86415XB

Original Well Owner (If Known):

Present Well Owner: City of Kenosha

Street or Route: 625 52nd St., Room 308

City, State, Zip Code: Kenosha, WI 53140

Facility Well No. and/or Name (If Applicable): B-17

WI Unique Well No.:

Reason For Abandonment: borehole only

Date of Abandonment: 05/01/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) _____ Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) approx. 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) screened & poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite chips	Surface	14.5	5 cubic ft.	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants, Ltd.

Signature of Person Doing Work: [signature] Date Signed: 10/4/01

Street or Route: 11425 West Lake Park Drive Telephone Number: 414-359-3030

City, State, Zip Code: Milwaukee, WI 53224

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

APPENDIX D

Monitoring Well Construction and Development Forms

State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 6-97

Facility/Project Name: C&L Industrial Cleaners - STS # 86415XB	Local Grid Location of Well: 9900.1 ft. ☒ N. ☐ S. — 9905.4 ft. ☒ E. ☐ W.	Well Name: B-3
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No: PC283 / DNR Well Number:
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 04/30/2001
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NW 1/4 of SE 1/4 of Sec. 18, T. 1 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gary Braun
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	STS Consultants, Ltd.

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation 618.3 ft. MSL
D. Surface seal, bottom 617.3 ft. MSL or 1.0 ft.

12. USC classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

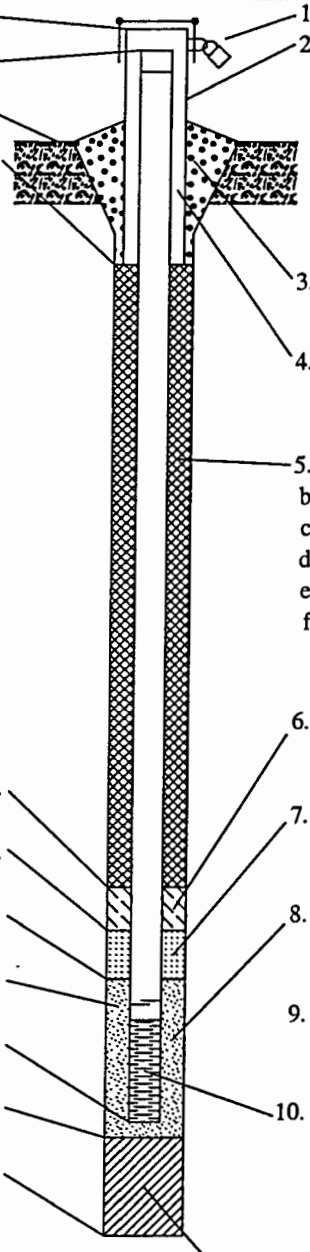
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
_____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
NA

E. Bentonite seal, top 617.3 ft. MSL or 1.0 ft.
F. Fine sand, top 614.5 ft. MSL or 3.8 ft.
G. Filter pack, top 614.1 ft. MSL or 4.2 ft.
H. Screen joint, top 613.6 ft. MSL or 4.7 ft.
I. Well bottom 603.6 ft. MSL or 14.7 ft.
J. Filter pack, bottom 603.1 ft. MSL or 15.2 ft.
K. Borehole, bottom 601.3 ft. MSL or 17.0 ft.
L. Borehole, diameter 8" in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 04
_____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
_____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☐ 30
Coarse sand over bentonite Other ☒ __
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name and mesh size
a. Red flint #40-60 __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red flint #30 __
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __
10. Screen material: PVC schedule 40 __
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐ __
b. Manufacturer Env. Manufacturing, Inc.
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Danielle Ostenbaal Firm: STS Consultants, Ltd.
11425 West Lake Park Drive Milwaukee, WI 53224
Tel: 414-359-3030
Fax: 414-359-0822

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and condut involved. Personnally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 6-97

Facility/Project Name: C&L Industrial Cleaners - STS # 86415XB	Local Grid Location of Well: 9919.5 ft. ☒ N. ☐ S. 10027.1 ft. ☒ E. ☐ W.	Well Name: B-5
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No: PC282 / DNR Well Number:
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 04/30/2001
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NW 1/4 of SE 1/4 of Sec. 18, T. 1 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gary Braun
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	STS Consultants, Ltd.

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation 618.3 ft. MSL
D. Surface seal, bottom 614.7 ft. MSL or 3.6 ft.

12. USC classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

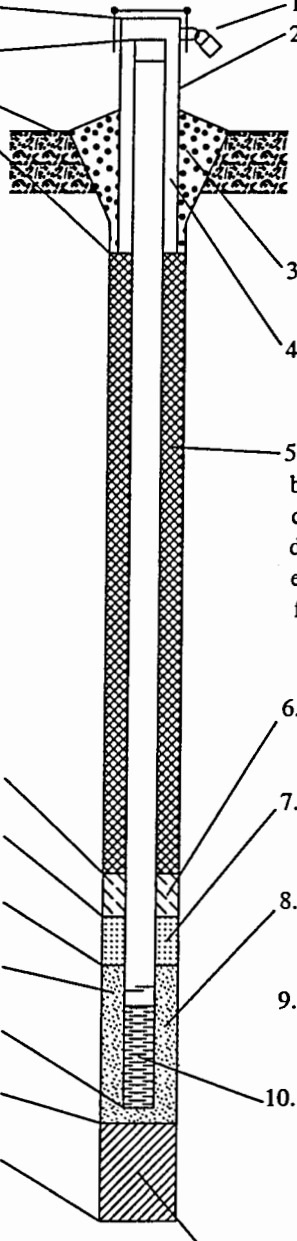
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 _____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
NA

E. Bentonite seal, top 618.3 ft. MSL or 0.0 ft.
F. Fine sand, top 614.7 ft. MSL or 3.6 ft.
G. Filter pack, top 614.2 ft. MSL or 4.1 ft.
H. Screen joint, top 613.7 ft. MSL or 4.6 ft.
I. Well bottom 603.7 ft. MSL or 14.6 ft.
J. Filter pack, bottom 603.2 ft. MSL or 15.1 ft.
K. Borehole, bottom 601.3 ft. MSL or 17.0 ft.
L. Borehole, diameter 8" in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 04 Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01
Bentonite & native soil (top) Other ☒ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30
Coarse sand over bentonite chips Other ☒ _____
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name and mesh size
a. Red flint #40-60 _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red flint #30 _____
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ _____
10. Screen material: PVC schedule 40 _____
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐ _____
b. Manufacturer Env. Manufacturing, Inc.
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm STS Consultants, Ltd. 11425 West Lake Park Drive Milwaukee, WI 53224 Tel: 414-359-3030 Fax: 414-359-0822

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTIOI
Form 4400-113A Rev. 6-97

Facility/Project Name: C&L Industrial Cleaners - STS # 86415XB	Local Grid Location of Well: 9938 ft. ☒ N. ☐ S. 10033.4 ft. ☒ E. ☐ W.	Well Name: B-6
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or St. Plane ft. N, ft. E. S/C/N	Wis. Unique Well No: PC281 DNR Well Number:
Facility ID		Date Well Installed: 05/01/2001
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NW 1/4 of SE 1/4 of Sec. 18, T. 1 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gary Braun
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	STS Consultants, Ltd.

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation 618.5 ft. MSL
D. Surface seal, bottom 615.0 ft. MSL or 3.5 ft.

12. USC classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

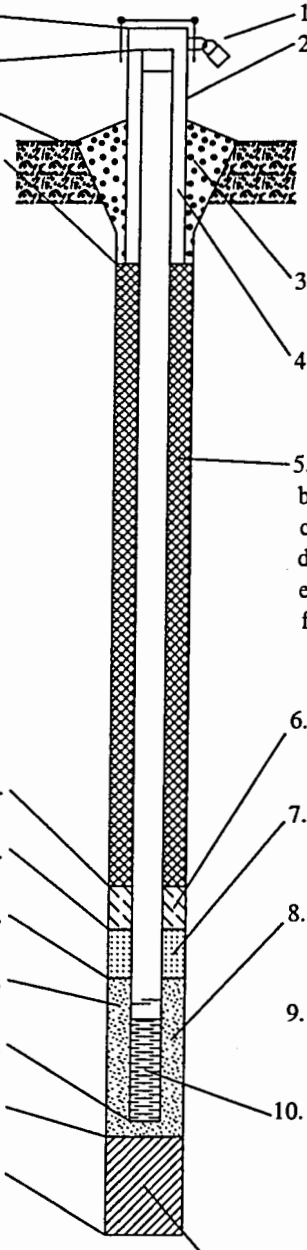
14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
_____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
NA

E. Bentonite seal, top 618.5 ft. MSL or 0.0 ft.
F. Fine sand, top 615.0 ft. MSL or 3.5 ft.
G. Filter pack, top 614.5 ft. MSL or 4.0 ft.
H. Screen joint, top 613.9 ft. MSL or 4.6 ft.
I. Well bottom 603.9 ft. MSL or 14.6 ft.
J. Filter pack, bottom 603.4 ft. MSL or 15.1 ft.
K. Borehole, bottom 601.5 ft. MSL or 17.0 ft.
L. Borehole, diameter 8" in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4
_____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
Bentonite & native soil (top) Other ☒
4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
Coarse sand over bentonite chips Other ☒
5. Annular space seal: a. Granular Bentonite ☐ 3 3
b. _____ Lbs/gal mud weight . Bentonite-sand slurry ☐ 3 5
c. _____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. _____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 3 2
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
a. Red flint #40-60
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red flint #30
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
_____ Other ☐
10. Screen material: PVC schedule 40
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
_____ Other ☐
b. Manufacturer Env. Manufacturing, Inc.
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 1 4
_____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm STS Consultants, Ltd.
11425 West Lake Park Drive Milwaukee, WI 53224
Tel: 414-359-3030
Fax: 414-359-0822

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and condut involved. Personnally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 6-97

Facility/Project Name: C&L Industrial Cleaners - STS # 86415XB	Local Grid Location of Well: 9994.6 ft. ☒ N. ☐ S. 10178.5 ft. ☒ E. ☐ W.	Well Name: B-7
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No: PC284 DNR Well Number:
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 05/02/2001
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NW 1/4 of SE 1/4 of Sec. 18, T. 1 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gary Braun
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	STS Consultants, Ltd.

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation 615.3 ft. MSL

D. Surface seal, bottom 611.8 ft. MSL or 3.5 ft.

12. USC classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis):
____

E. Bentonite seal, top 615.3 ft. MSL or 0.0 ft.

F. Fine sand, top 611.8 ft. MSL or 3.5 ft.

G. Filter pack, top 611.3 ft. MSL or 4.0 ft.

H. Screen joint, top 610.5 ft. MSL or 4.8 ft.

I. Well bottom 600.5 ft. MSL or 14.8 ft.

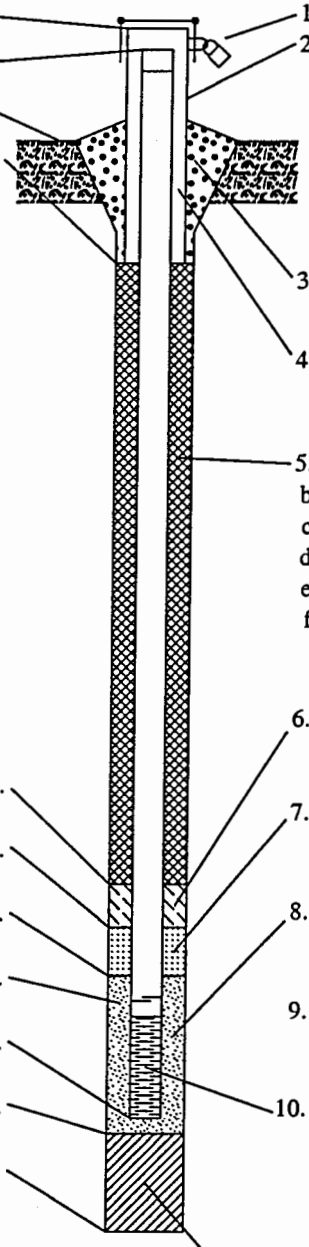
J. Filter pack, bottom 600.0 ft. MSL or 15.3 ft.

K. Borehole, bottom 598.3 ft. MSL or 17.0 ft.

L. Borehole, diameter 8" in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6x6 (sq.) in.
b. Length: 5.0 ft.
c. Material: Steel ☐ 04
Anodized aluminum Other ☒ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
Bentonite & native soil (top) Other ☒ __
4. Material between well casing and protective pipe:
Bentonite ☐ 30
Coarse sand over bentonite chips Other ☒ __
5. Annular space seal: a. Granular Bentonite ☒ 33
b. ____Lbs/gal mud weight . Bentonite-sand slurry ☐ 35
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. ____% Bentonite . . . Bentonite-cement grout ☐ 50
e. ____Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name and mesh size
a. Red flint #40-60 __
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red flint #30 __
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐ __
10. Screen material: PVC schedule 40 __
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐ __
b. Manufacturer Env. Manufacturing, Inc.
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14
____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Daniel A. Heubel Firm: STS Consultants, Ltd.
11425 West Lake Park Drive Milwaukee, WI 53224
Tel: 414-359-3030
Fax: 414-359-0822

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 6-97

Facility/Project Name: C&L Industrial Cleaners - STS # 86415XB	Local Grid Location of Well: 9951.2 ft. ☒ N. ☐ S. 10602.2 ft. ☒ E. ☐ W.	Well Name: B-12
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No: PC285 / DNR Well Number
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 05/01/2001
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NW 1/4 of SE 1/4 of Sec. 18, T. 1 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gary Braun, STS Consultants, Ltd.
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation ____ ft. MSL
C. Land surface elevation 616.0 ft. MSL
D. Surface seal, bottom ____ ft. MSL or ____ ft.

12. USC classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

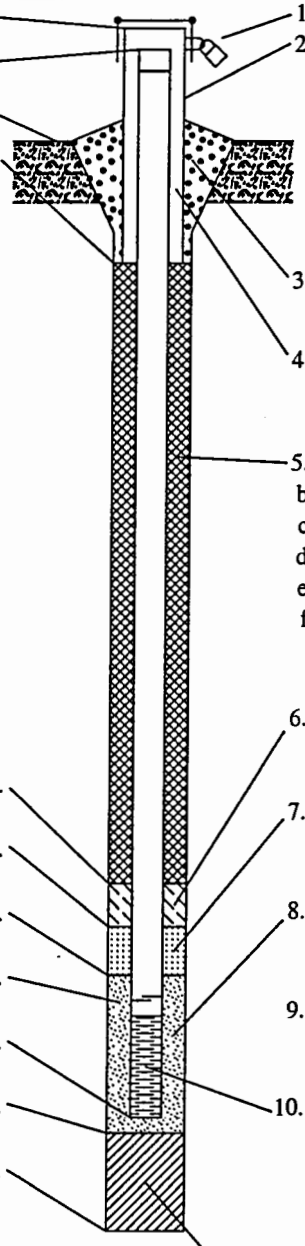
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / ____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis):
NA

E. Bentonite seal, top 616.0 ft. MSL or 0.0 ft.
F. Fine sand, top 612.0 ft. MSL or 4.0 ft.
G. Filter pack, top 611.5 ft. MSL or 4.5 ft.
H. Screen joint, top 611.0 ft. MSL or 5.0 ft.
I. Well bottom 601.0 ft. MSL or 15.0 ft.
J. Filter pack, bottom 601.0 ft. MSL or 15.0 ft.
K. Borehole, bottom 599.0 ft. MSL or 17.0 ft.
L. Borehole, diameter 8" in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 04 / ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Bentonite & native soil (top) Other ☒
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Coarse sand over bentonite chips Other ☒
5. Annular space seal: a. Granular Bentonite ☐ 33
b. ____Lbs/gal mud weight . Bentonite-sand slurry ☐ 35
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. ____% Bentonite . . . Bentonite-cement grout ☐ 50
e. ____Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
a. Red flint #40-60
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red flint #30
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / ____ Other ☐
10. Screen material: PVC schedule 40
a. Screen Type: Factory cut ☒ 11 / Continuous slot ☐ 01 / ____ Other ☐
b. Manufacturer Env. Manufacturing, Inc.
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14 / ____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Danielle Bobenhausen Firm: STS Consultants, Ltd., 11425 West Lake Park Drive Milwaukee, WI 53224 Tel: 414-359-3030 Fax: 414-359-0822

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and condut involved. Personnally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 6-97

Facility/Project Name: C&L Industrial Cleaners - STS # 86415XB	Local Grid Location of Well: 9985.1 ft. ☒ N. ☐ S. 10988.5 ft. ☒ E. ☐ W.	Well Name: B-16
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No: PC286 / DNR Well Number
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 05/01/2001
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NW 1/4 of SE 1/4 of Sec. 18, T. 1 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gary Braun; STS Consultants, Ltd.
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation ____ ft. MSL
C. Land surface elevation 612.2 ft. MSL
D. Surface seal, bottom 608.4 ft. MSL or 3.8 ft.

12. USC classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☐ No

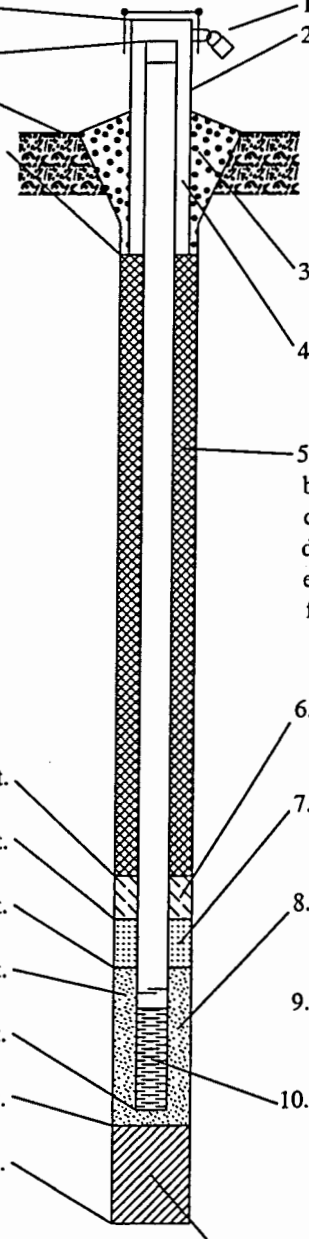
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / ____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis):
NA

E. Bentonite seal, top 612.2 ft. MSL or 0.0 ft.
F. Fine sand, top 608.4 ft. MSL or 3.8 ft.
G. Filter pack, top 608.0 ft. MSL or 4.2 ft.
H. Screen joint, top 607.5 ft. MSL or 4.7 ft.
I. Well bottom 597.5 ft. MSL or 14.7 ft.
J. Filter pack, bottom 597.0 ft. MSL or 15.2 ft.
K. Borehole, bottom 597.2 ft. MSL or 15.0 ft.
L. Borehole, diameter 8" in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6x6 (sq.) in.
b. Length: 5.0 ft.
c. Material: Anodized aluminum — Steel ☐ 04 / Other ☒
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Bentonite & native soil (top) — Other ☒
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Coarse sand over bentonite chips — Other ☒
5. Annular space seal: a. Granular Bentonite ☐ 33
b. ____ Lbs/gal mud weight . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
a. Red flint #40-60
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red flint #30
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / ____ Other ☐
10. Screen material: PVC schedule 40
a. Screen Type: Factory cut ☒ 11 / Continuous slot ☐ 01 / ____ Other ☐
b. Manufacturer Env. Manufacturing, Inc.
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14 / ____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Darrell A. Klenbach | Firm: STS Consultants, Ltd., 11425 West Lake Park Drive Milwaukee, WI 53224 | Tel: 414-359-3030 Fax: 414-359-0822

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personnally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	County	Well Name
C&L Industrial Cleaners - STS # 86415XB	Kenosha	B-3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	30	PC283	

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method:

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed, and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
other _____	☐	

3. Time spent developing well: 50 min.

4. Depth of well (from top of well casing): 17.6 ft.

5. Inside diameter of well: 2.07 in.

6. Volume of water in filter pack and well casing: 8.8 gal.

7. Volume of water removed from well: 18.0 gal.

8. Volume of water added (if any): 0.0 gal.

9. Source of water added: NA

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	7.73 ft.	11.65 ft.
Date b.	05/02/2001	05/02/2001
Time c.	08:25 am	01:35 pm
12. Sediment in well bottom	1.0 inches	7.5 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)
	Lt. brown, very turbid - sediments (m. sand) in bailer & in bucket	Less turbid but still >100 NTU - sediments fall out of suspension quickly

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm
Gary M. Braun
STS Consultants, Ltd.

17. Additional comments on development:
Developed from 08:25 to 09:05 (40 min.) and purged 13 gals. Returned to bail from 13:25 to 13:35 an additional 13 gals. Total purged = 18 gals. (50 min.) 10 well volumes = 88 gals. Purged an additional 70 gallons on 5/8/01 until effluent was clear.

Facility Address or Owner/Responsible Party Address

Name: _____

Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Lanette Altenbach

Print Name: LANETTE ALTENBACH

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	County	Well Name
C&L Industrial Cleaners - STS # 86415XB	Kenosha	B-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	30	PC282	

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method:

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed, and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
other _____	☐	

3. Time spent developing well 27 min.

4. Depth of well (from top of well casing) 18.0 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 9.2 gal.

7. Volume of water removed from well 20.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	7.70 ft.	8.70 ft.
Date b.	05/02/2001	05/02/2001
Time c.	02:05 pm	02:32 pm
12. Sediment in well bottom	1.0 inches	1.5 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
(Describe)	Brown, turbid (approx. 150 NTU) - med. sand suspended	Slightly less turbid but unable to see through it

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm
Gary M. Braun
STS Consultants, Ltd.

17. Additional comments on development:
10 well volumes = 92 gallons. 5/8/01 - purged an additional 70 gallons until effluent was clear.

Facility Address or Owner/Responsible Party Address

Name: _____

Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Lanette Altenbach

Print Name: LANETTE ALTENBACH

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	County	Well Name
C&L Industrial Cleaners - STS # 86415XB	Kenosha	B-6

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	30	PC281	

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method:

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed, and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
other _____	☐	

3. Time spent developing well 35 min.

4. Depth of well (from top of well casing) 18.3 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 8.8 gal.

7. Volume of water removed from well >18.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☒ No (If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	8.41 ft.	10.71 ft.
Date b.	05/02/2001	05/02/2001
Time c.	02:45 pm	03:20 pm
12. Sediment in well bottom	1.0 inches	inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Light brown, turbid (approx. 150 NTU)	Clear ☐ 20 Turbid ☒ 25 (Describe) Light brown, less turbid (<100 NTU)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm
Gary M. Braun
STS Consultants, Ltd.

17. Additional comments on development:
10 well volumes = 88 gallons. 5/8/01 - purged an additional 70 gallons until effluent was clear.

Facility Address or Owner/Responsible Party Address

Name: _____

Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Lanette Altenbach

Print Name: LANETTE ALTENBACH

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	County	Well Name
C&L Industrial Cleaners - STS # 86415XB	Kenosha	B-7

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	30	PC284	

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method:

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed, and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
other _____	☐	

3. Time spent developing well 35 min.

4. Depth of well (from top of well casing) 18.0 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 11.5 gal.

7. Volume of water removed from well 23.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	5.07 ft.	6.81 ft.
Date b.	05/02/2001	05/02/2001
Time c.	03:40 pm	04:15 pm
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
(Describe)	Moderate turbidity (60-80 NTU), light brown	Turbidity increased slightly - lt. olive brown

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm
Gary M. Braun
STS Consultants, Ltd.

17. Additional comments on development:
10 well volumes = 115 gallons. 5/8/01 - purged an additional 90 gallons until effluent was clear.

Facility Address or Owner/Responsible Party Address

Name: _____

Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Lanette Altenbach

Print Name: LANETTE ALTENBACH

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	County	Well Name
C&L Industrial Cleaners - STS # 86415XB	Kenosha	B-12

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	30	PC285	

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method:

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed, and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
other _____	☐	

3. Time spent developing well: 45 min.

4. Depth of well (from top of well casing): 17.2 ft.

5. Inside diameter of well: 2.07 in.

6. Volume of water in filter pack and well casing: 9.9 gal.

7. Volume of water removed from well: 18.0 gal.

8. Volume of water added (if any): 0.0 gal.

9. Source of water added: NA

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	6.10 ft.	6.84 ft.
Date b.	05/02/2001	05/02/2001
Time c.	04:35 pm	05:20 pm
12. Sediment in well bottom	7.8 inches	8.5 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
(Describe)	Very turbid (>300 NTU), dark gray, opaque	Turbidity remained the same - v. fine sediment found in bucket

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm
Gary M. Braun
STS Consultants, Ltd.

17. Additional comments on development:
10 well volumes = 99 gallons. 5/8/01 - purged an additional 80 gallons until effluent was clear.

Facility Address or Owner/Responsible Party Address

Name: _____

Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Lanette Altenbach

Print Name: LANETTE Altenbach

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	County	Well Name
C&L Industrial Cleaners - STS # 86415XB	Kenosha	B-16

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	30	PC286	

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method:

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed, and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
other _____	☐	

3. Time spent developing well 40 min.

4. Depth of well (from top of well casing) 18.0 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 9.1 gal.

7. Volume of water removed from well 18.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	7.80 ft.	14.40 ft.
Date b.	05/02/2001	05/02/2001
Time c.	05:35 pm	06:15 pm
12. Sediment in well bottom	1.7 inches	1.2 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
(Describe)	Dark brownish-gray - very turbid	Dark brownish-gray - very turbid

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm
Gary M. Braun
STS Consultants, Ltd.

17. Additional comments on development:
10 well volumes = 91 gallons. 5/8/01 - purged an additional 80 gallons until effluent was clear.

Facility Address or Owner/Responsible Party Address

Name: _____

Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Lanette Altenbach

Print Name: LANETTE ALTENBACH

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

APPENDIX E

QA/QC Supplemental Information (Audit Results, Detection Limit Memo and GFAA SOP)

FIELD CHECKLIST

Briefing with Project Manager
Prior to Audit

Name of Auditor JAK-Jane Kettler Date of Audit 5/1/01
Project Manager DMV Project No. 86415X8
Project Location 8927 Sheridan Rd, Kenosha
Type of Investigation Subsurface - Phase II
Initials of Auditor JAK
Date of Briefing _____

Yes X No ___ N/A ___ 1. Was a project plan prepared? If yes, what items are addressed in the plan?

Yes X No ___ N/A ___ 2. Were additional instructions given to project participants (i.e., changes in project plan)? If yes, describe these changes.
Collect for VOCs any other soil samples w/ high PID.

Yes X No ___ N/A ___ 3. Is there a written list of sampling locations and descriptions? If yes, describe where documents are.
In ~~QAPP~~ SAP see section

Yes X No ___ N/A ___ 4. Is there a map of sampling location? If yes, where is the map?
Figure provided in Work Plan/Sampling Plan. (See Fig 4)

Yes X No ___ N/A ___ 5. Do the investigators follow a system of accountable documents? If yes, what documents are accountable?
Field Book, chain of custody, sample labels, PID readings & soil obs on field boring logs.

Observed sampling of groundwater from temporary wells - Adam F.
Soil sampling east of building - Gary B.

FIELD CHECKLIST

Field Observations

Yes X No ____ N/A ____ 1. Are the number, frequency and types of field measurements and observations taken as specified in the project plan or as directed by the project manager? If yes, where are they recorded?
In field book

Yes X No ____ N/A ____ 2. Are samples collected in the types of containers specified for each type of analysis? If no, what kind of sample containers were used?
Containers provided by lab.

Yes X No ____ N/A ____ 3. Are samples preserved as required? If no or N/A, explain.
Preservation provided by lab. Added to samples as they are collected.

Yes X No ____ N/A ____ 4. Are the number, frequency and types of samples collected as specified in the project plan or as directed by the project manager? If no, explain why not.

Yes X No ____ N/A ____ 5. Are samples packed for preservation when required (i.e. packed in ice, etc.)? If no or N/A, explain why.

Yes X No ____ N/A ____ 6. Is sample custody maintained? How?
Chain of custody. Signatures. Custody seals on coolers.

FIELD CHECKLIST

Document Control

Yes___ No___ N/A X 1. Have unused and voided accountable documents been returned to the coordinator by the team members?
None identified.

Yes___ No___ N/A X 2. Were any accountable documents lost or destroyed? If yes, have document numbers of lost or destroyed accountable documents been recorded and where are they recorded?
None identified.

Yes X No___ N/A___ 3. Are samples identified with sample labels? If no, how are samples identified?

Yes X No___ N/A___ 4. Are sample labels completed (e.g., project no., sample id no., date, initials of samples)? If not, describe deficencies of information recorded.

Yes X No___ N/A___ 5. Are samples collected listed on a chain-of-custody record? If yes, describe the type of chain-of-custody record used and what information is recorded.
See attached example. COC is filled out after samples are collected.

Yes___ No___ N/A X 6. If used, are the sample label numbers recorded on the chain-of-custody documents?
Sample labels are not numbered. Sample ID is double-checked on jar and against COC.

Jars are specific to type of analysis to be performed.

Yes X No___ N/A___ 7. Does information on sample labels and Chain-of-Custody Records Match?

Yes X No___ N/A___ 8. Is the Chain-of-Custody Record included with the samples in the shipping container?

Yes X No___ N/A___ 9. Are logbooks project-specific (by logbook or by page)?
Logbooks are dedicated to this project.

Yes X No___ N/A___ 10. Are logbook entries dated and identified by author?
Author identified in terms of who was at site. Both technicians made entries in log book W/O stating what entries made by whom.

Yes___ No___ N/A X 11. Are photographs documented in logbooks (e.g., time, date, description of subject, photographer, etc.)?

Yes___ No___ N/A X 12. Are sample label numbers recorded? If yes, describe where they are recorded.
Sample label nos. not wxd. Bottles pre-weighed & marked by Enviroscan VOCs

Yes___ No X N/A___ 13. Are calibration of pH meters, conductivity meters, etc., documented? If yes, describe where this is documented.
Was not documented for morning of 5/1/01. Book does not state instruments were calibrated. Adam corrected this.

Yes___ No___ N/A X 14. Are amendments to the project plan documented? If yes, describe where the amendments are documented.

Auditor's Name Jane Kahler
Initials JAK
Date 5/1/01

No standard for checking conductivity.

FIELD CHECKLIST

Debriefing with Project Manager

Yes X No____ N/A___ 1. Was a debriefing held with project manager and/or other participatnts?
Debriefing to field staff throughout audit
Debriefing Donna at 5pm on 5/1/01.

Yes X No____ N/A___ 2. Were any recommendations made to the project participants during the debriefing? If yes, list recommendations?
Recommended that instrument calibration be documented.

Auditor's Name JAK
Initials Jane Kistler
Date 5/1/01

R01/18

USFilter

FAX

ENVIROSCAN SERVICES
301 W. MILITARY RD.
ROTHSCHILD, WI 54474

TELEPHONE 715-359-722(
FACSIMILE 715-355-322
DIRECT LINE 715-355-353(

To Donna Volk **Fax** 414-359-0822

Company **STS-MIL** **Tel**

From Eric Martin, QA Manager **Date** May 25, 2001 **Page** 1 of 4

Subject

_____ QA/QC Information
_____ Preliminary Report
_____ Quotation # _____ for Project # _____
_X_ Information Requested

Donna,

Here is a copy of the screen chromatograms that are used to determine sample suitability. Note the counts on the left side of the chromatogram (999999 = detector saturation).

It is my understanding that due to the physical nature of these samples the initial weight of sample extracted was reduced from 30.0g to 3.0g. This accounts for a 10X dilution up front. In addition to that, the extracts would no concentrate down below a volume of 10mls, our target volume at this time was 2 mls. This accounts for an additional 5X dilution factor.

The extracts were then processed through SW-846 cleanup methods 3665 and 3660. 3665 is the most rigorous cleanup procedure we have available at this time.

We then screened the extracts (attached) and determined that an additional 1000X dilution would be necessary t allow us qualitative pattern recognition on the GC/ECD.

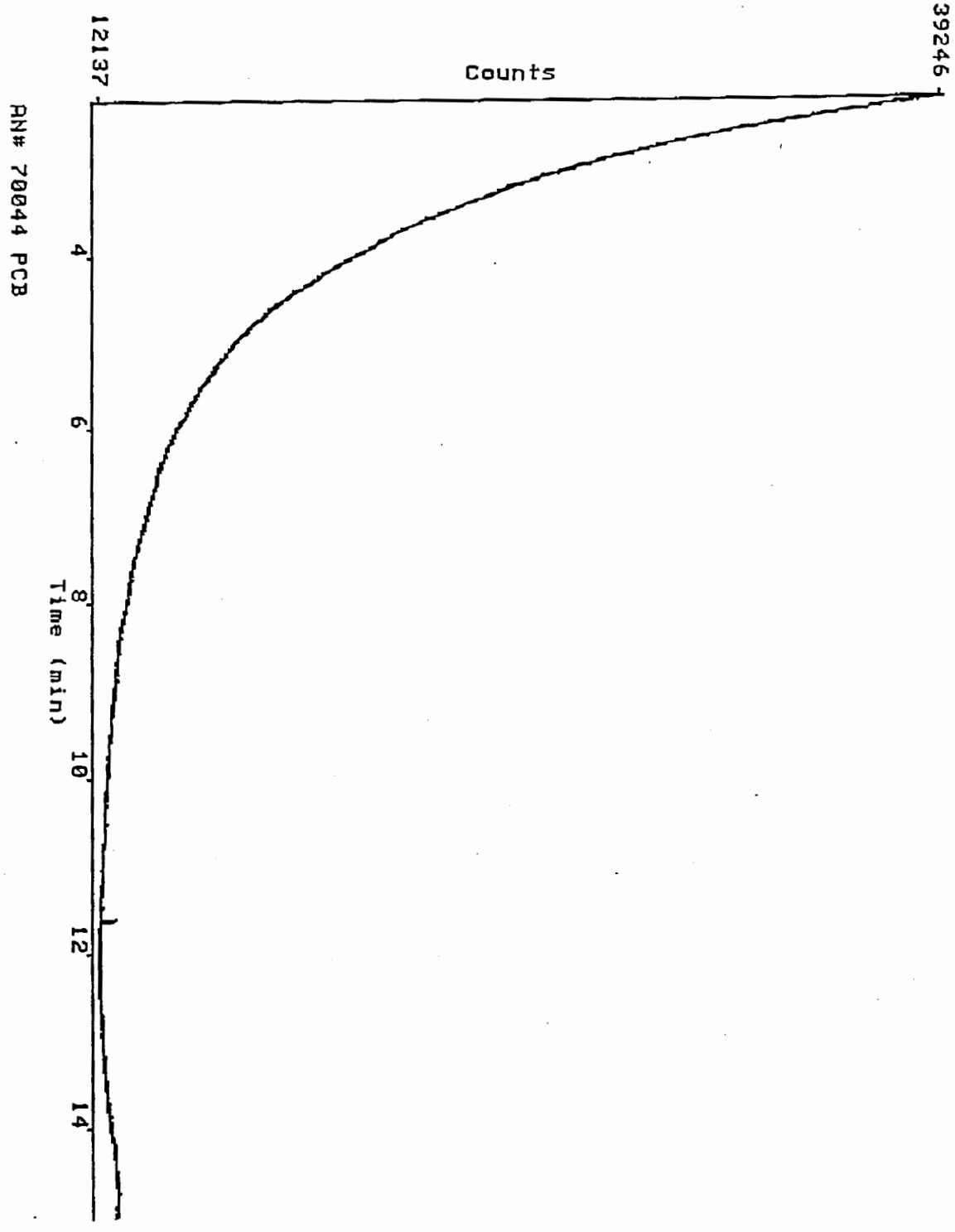
Additionally, one of the samples involved was only 65.0% solid. When the dry weight correction factor is appli to the results, the detection limit is raised by another 35%.

After reviewing the information associated with these samples the analyst felt it is not feasible to go any lower c the instrument. The only option we have available would be to apply a non-EPA-approved cleanup technique t may or may not reduce the contamination seen in these samples. We have had limited success with the procedu and have not fully validated its usage.

I wish we could do more.

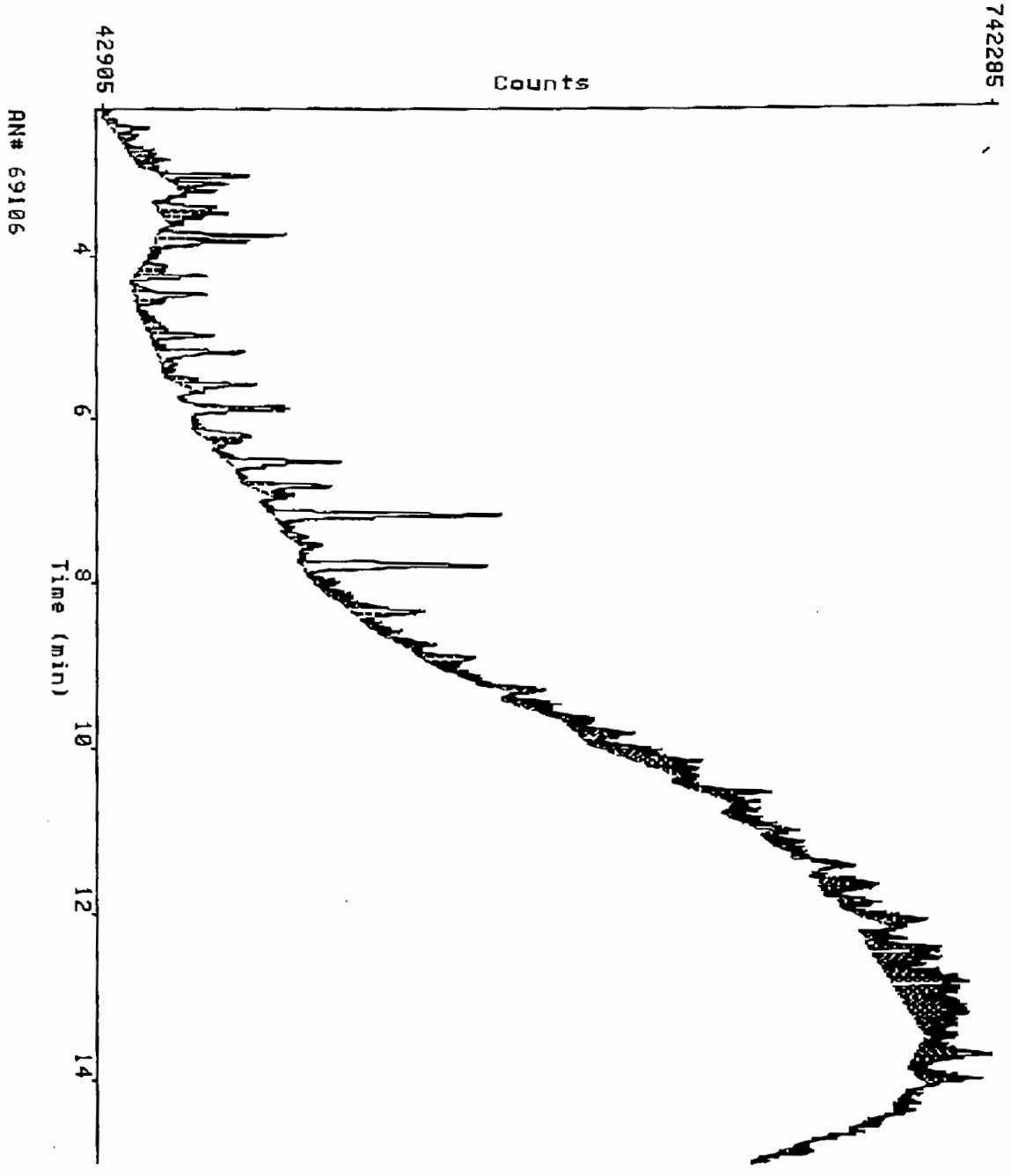
Please call with any questions.

Data file: USER$DISK3:[CHROM]24FID946.RAW;1
Report: 1140104
Acquired: 17-MAY-2001 12:49:05
Time range: 2.20-15.00
Vert. scale/offset: 1.0/0



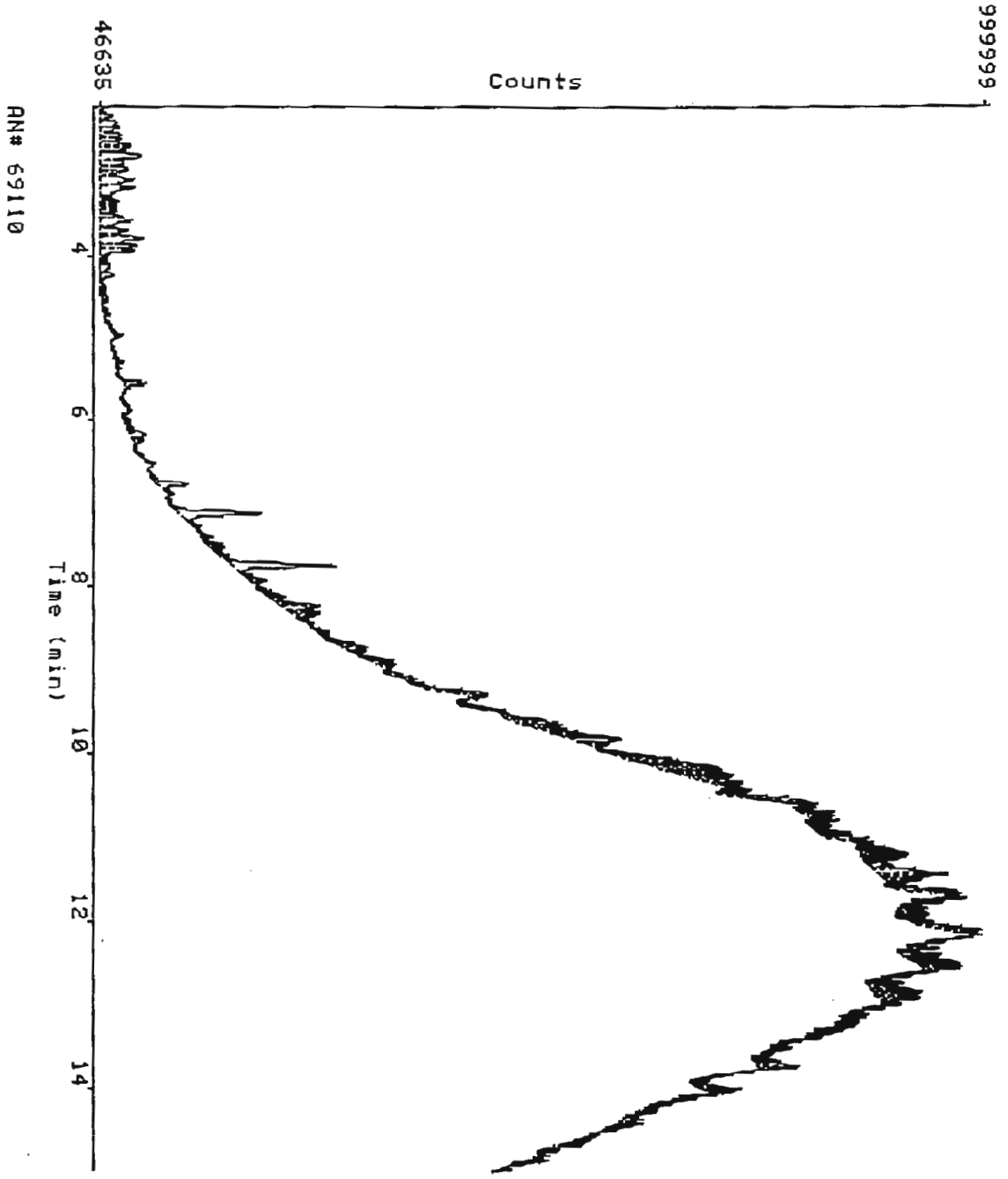
AN# 70044 PCB

ata file: USER$DISK3:[CHROM]24FID906.RAW;1
eport: 1137772
cquired: 11-MAY-2001 09:09:34
ime range: 2.20-15.00
ert. scale/offset: 1.0/0



AN# 69106

Data file: USER$DISK3:[CHROM]24FID904.RAW;1
Report: 1137744
Acquired: - 11-MAY-2001 08:20:27
Time range: 2.20-15.00
Vert. scale/offset: 1.0/0



AN# 69110

Determination of: Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS).

Scope/Purpose: To provide a standard method for the analysis of samples for the volatile organic compounds found in the EPA method 524.2, 624, 8260 and Federal Register TCLP methodologies.

Special Equipment:

GC-MS System:ITS40 GC-ITMS-DS

Gas chromatography system includes a Varian 3400 gas chromatograph equipped with an on-column injector, a 75 meter long by 0.53 mm inside diameter DB-624 capillary chromatography column from J & W Scientific (or equivalent). The chromatography column runs up to a heated jet separator interface. A deactivated length of chromatography column is used to interface the exit end of the jet separator through a heated transfer line directly into the ion trap mass spectrometer. The gas chromatograph is also equipped with a Tekmar LSC2000 purge and trap concentrator and an ALS2016 multiple position purging autosampler.

Mass spectrometer system includes a Finnigan ITS40 ion trap mass spectrometer operated in electron impact, positive ion mode directly interfaced to the Finnigan Magnum data system. The data system uses version 2.1 operating software, and also includes version 1.0 of the Turnkey software platform and version 1.0 of the Tracker quality control software package.

Additional Supplies: Volumetric flasks & Syringes - various sizes;
Syringes with 5ml glass with teflon plunger on barrel

Standards/Reagents:

Calibration standards are prepared from commercially available high concentration stock standards or manufacturer prepared custom stock standards. These stock standards are diluted volumetrically to provide for a range of calibration standards. The stock standards are normally supplied at a level of 200 µg/ml in each component, although some mixes are received at higher concentrations to increase their stability.

Spiking standards are prepared from commercially available high concentration stock standards, as above.

Continuing calibration standards (CCS) are prepared from commercially available high concentration stock standards, as above, with the exception being that the CCS is prepared from either a different lot of standards from the same manufacturer, or (preferably) prepared from stock standards purchased from another supplier.

Internal standards and surrogate standards are received from commercial suppliers (Accustandard CLP-PIPS or equivalent). A volumetric dilution of these stock standard(s) is taken to produce a working standard at a concentration of 125 µg/ml. The internal standards

used for the compounds in method 524 are 1-Fluorobenzene, in method 8260 and Federal Register TCLP compound lists are TCLP are Pentafluorobenzene, 1,4-Difluorobenzene, 4-Bromofluorobenzene. The surrogate standards used for the same lists of compounds are 4-Bromofluorobenzene, 1,2-Dichlorobenzene, for 524, and Dibromofluoromethane, toluene-d8, for 8260 and TCLP.

The Tuning standard is prepared either in house from pure (97% +) compound available from commercial suppliers, or from a commercially purchased standard mixture containing the tuning compound. The tuning compound is 4-bromofluorobenzene, and is prepared from either source to produce a solution with a concentration of 25 μg/ml.

For some compounds, additional standards must be prepared in house from pure (97% +) compounds available from commercial suppliers. These standards are prepared separately due to their unavailability to be found in commercial mixes.

Additional Reagents: Methanol - pesticide quality or equivalent.
Organic Free water: Carbon trap filtration with constant nitrogen purge.

References:

Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, December, 1996.

Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, EPA 600/4-82-057, United States Environmental Protection Agency, 1982.

Method for the Determination of Organic Compounds in Drinking Water, EPA-600/4-88/039. U.S. Environmental Protection Agency, Cincinnati, OH, December 1989.

Magnum Software Operation Manuals, Finnigan publications, 1989-1993.

Tracker Software Operation Manuals, Finnigan publications, 1992.

Procedure:

Analysis of samples for volatile organic compounds by GC-MS can be broken down into the following steps:

A. Tuning the mass spectrometer
B. Calibration of the system
C. Method validation
D. Initial QA/QC Evaluation
E. Analysis of liquid samples
F. Analysis of solid samples
G. Data validation and quantitation
H. Ongoing QA/QC evaluation

A. Tuning the Mass Spectrometer:
The GC/MS must be checked at the beginning of each day to see that the GC/MS system meets specific performance criteria using the volatile tuning compound 4-Bromofluorobenzene. The procedure is summarized below. See Standard Operating Procedure # 127 for more specific tuning instructions.
Inject 1 µl of the Tuning standard; Note: 1 µl standard injection of the 25 µg/ml tuning standard will be 25 ng of BFB on column.
Obtain a background subtracted mass spectrum of BFB; Check that all key ion criteria listed in Table 1 are achieved.
Note: If any of the criteria are not achieved, the analyst must re-tune the mass spectrometer and repeat the test until all criteria are achieved.

NO SAMPLES CAN BE ANALYZED UNTIL THE MASS SPECTROMETER MEETS THE SPECIFIED TUNE CRITERIA.

B. Calibration of the system:
The GC-MS system is calibrated to include all sample compound levels whenever possible. The exception is a concentration below the working range of the instrument. Calibration standards are prepared by diluting a stock standard (in methanol) to a volume of at least 50 ml. with organic-free water. Solutions are prepared at levels of 0.5, 1.0, 2.0, 5.0, 10.0, 20.0, 50.0, 75.0, 100.0, and 150 µg/l for each compound to be determined.

1. The volumetric flask containing the calibration standards are inverted no more than three times to avoid a loss of analyte.
2. Standards are transferred (with rinsing) to a 5 ml glass syringe to overflowing to prevent the addition of air into the standard.
3. Excess solution is pushed out with the plunger/barrel to yield a syringe containing exactly 5 ml of standard with no air present.
4. 1.0 µg/l of Internal and Surrogate working standards are injected into the syringe. The syringe now contains the analytes at their specified concentration and the internal and surrogate standards at a concentration of 25 µg/l.
5. The contents of the syringe are placed into one of the purging tubes on the autosampler and the valve is sealed.

Instrument Specifications:
Each of the calibration standards is analyzed using methods which meet the following specifications:

GC temperature program - Start at -10° C; Hold isothermal for 5 minutes
Ramp to 200° C @ 8 degrees/minute
Hold isothermal for 8.75 minutes
Run time 31 minutes with about 10 psi column head pressure.

GC injector temperature - 220° C

Autosampler parameters - Trap standby/purge temp 35° C
Purge for 11 minutes with nitrogen @ 40cc/minute

Moisture control module (MCM)
- Cooldown - 4° C
Desorb preheat 200° C
Desorb at 250° C 4 minutes
Bakeout at 260° C for 5 minutes
All valves and lines 100° C
MCM bakeout 60° C

GC to jet separator interface – 220° C
Jet separator to MS interface – 220° C
MS manifold temperature – 220° C
MS scan range - 36 amu to 260 amu
MS scan time - full mass range scanned in 1 second(including settling and pre-scan)
MS scan sequence - Filament/multiplier on for 35 minutes
MS mass defect - 30 mmu per 100 amu

Following analysis of each of the calibration standards, the quantitation software locates (by retention time) and identify (by mass spectrum) each compound in the standard by a mass spectral library search against compounds in the appropriate cali file (see references for methods to be used in creating cali files). The program will locate and identify the compounds and tabulate the area of the primary characteristic ions of the internal standards, surrogate standards, and calibration standards. It is these primary characteristic ions that all subsequent calculations are based upon. Prior to running the quantitation software, the multiplier factor is entered which reflects the actual concentration of the standards. For example, if the calibration file contains a default value for each compound at 20 µg/l, and the standard that is being quantitated is a 10 µg/l standard, a factor of 0.5 is entered so the system knows to use 0.5 x 20 µg/l for the actual concentration of the standard. Using the auto calibration function of the software, the area of the primary ion of each calibration compound, its correct standard amount, the area of that compound's appropriate internal standard primary ion, and the internal standard amount are all placed into a table for that compound in that cali file, along with the compounds calculated response factor for that calibration level. The response factor is calculated using equation 1:

Equation 1: $RF = (Ac * Cis) / (Ais * Cc)$

RF = Response factor
Ac = Area of the calibration compound's primary ion
Cis = Concentration of the internal standard
Ais = Area of the internal standard primary ion
Cc = Concentration of the calibration compound.

A listing of each compound commonly analyzed by these methods can be found in Table 3, along with a listing of their appropriate internal standard and primary (quantitation) characteristic ion and secondary (qualification/identification) characteristic ions.

Following these steps on each calibration standard, response lists are prepared that

contain all of the above information used to calculate the response factor, as well as the calculated response factor. This is accomplished using the auto calibration function of the software. These response lists are in tabular format and there exists one for each individual compound. Each response list should have five response factors (one from each standard).

To evaluate the performance of the system for the initial calibration, Tracker software is used. The program will re-tabulate all the individual response factors for each compound and will calculate the average and %RSD for each compound. The initial calibration may be used only if the %RSD is less than 30% for the following Calibration Check Compounds (CCC): 1,1-Dichlorethene, Chloroform; 1,2-Dichloropropane; Toluene; Ethylbenzene; Vinyl chloride. The remaining target analytes must be less than or equal to 15% RSD. It is recommended that compounds failing the initial calibration be recalibrated as soon as possible. The average response factor is used for all calculations of continuing calibration standard (CCS) evaluations and data quantitation.

A successfully completed calibration may be used until unsatisfactory results are observed with the analysis of the CCS or there is a significant change in the system, such as, an installation of a new column.

C. Method Validation:
To ensure accurate, reproducible data, the entire analysis method must be evaluated which may include any significant change to the system, such as a new detector.

For information on method validation, refer to EPA method 524.2 or SW-846 method 8260 (documents listed in References section).

D. Initial QA/QC Evaluation:
Before proceeding with any sample analysis, several QA/QC steps must be performed starting with acceptable mass spectrometer tuning, described in a previous section.

Once acceptable tuning is achieved, a continuing calibration standard (CCS) and a system blank are evaluated. The CCS is prepared by volumetric dilution of similar mixes to the ones used for initial calibration; however, they must be from a different lot (if from the same manufacturer) or a different supplier. The CCS is prepared at a mid-level concentration for the instrument's calibrated range, i.e. 20 to 50 µg/l for a calibrated range of 10 to 150 µg/l.

After the appropriate mixes are added to the volumetric flask containing organic free water, the flask is inverted three times to mix the solution and the standard is transferred (with rinsing) to a 5 ml glass syringe. The syringe is overfilled to prevent air from entering the standard and the plunger/barrel is pushed in and the excess solution is ejected. 1.0 µl of internal and surrogate standards are added to the 5 ml of CCS. The solution is injected into one of the purge tubes on the autosampler following the same procedure as Section B, Steps 2-5. Analyze the CCS using identical instrument parameters to those used for calibration, and process the data using the quantitation software using auto integration.

Following auto integration of the CCS analysis, the Tracker software is used to evaluate the performance of the instrument. The Tracker software will calculate the observed response factor for each compound in the CCS using Equation 1 on page 4. The software will compare this observed response factor for each compound in the CCS to the average of all response factors in each compound's response list for the appropriate calibration file, prepared during initial calibration. A ratio is calculated for the average response factor for a compound versus the observed response factor for each compound in the CCS - this ratio must be within 0.80 and 1.20, that is, the relative difference between the two compared response factors must be 20 percent or less. If the relative difference is greater than 20 percent, then an examination of the system and its calibration should be done. The system must afford 20 percent or less relative difference of the compared response factors of any compound that has a value reported. If the response factor is greater than 20 percent for any compound, the quantitated value of that compound in any sample that is reported must be qualified as estimated.

Following CCS analysis and evaluation, a system blank must be analyzed. A sample of organic free water is taken and placed in a 5 ml glass syringe, using the same rinsing and overfilling technique used for the initial and continuing calibration standards; internal standards and surrogates standards are also added to this aliquot of water similar to standards. This system blank is analyzed using identical conditions as the standard analyses.

Following analysis, the quantitation (auto integration and quantitation) are performed on the system blank run and the quantitation report is examined to check the calculated concentrations of any compounds found during the search which are at levels below their method quantitation limits. The system should be baked out if compounds are found at higher levels. If the contamination persists the system needs a more thorough cleaning before proceeding with sample analysis. Samples reported with values above the limits shall be qualified on the final report. Samples may be analyzed after all criteria have been met. QA/QC checks shall be performed every 12 hour shift.

E. Analysis of Liquid Samples:

The analysis of liquid samples shall be performed the same as in the sample preparation section using a glass syringe. If the sample is expected to have significant amounts of contamination, a dilution may be necessary to move the compounds into the analytical working range of the instrument or to prevent excessive instrument contamination. Dilutions are made using organic free water and filling the appropriate size volumetric flask approximately halfway, then adding the appropriate aliquot of sample. Fill the volumetric flask to the mark and invert three times for mixing. Continue with the previous sample preparation steps using a glass syringe and add 1.0 µl of internal standard and surrogate standard mix(es); and, inject the sample into one of the purge tubes on the auto sampler. Analyze the sample using identical conditions used in the Calibration of the System section.

F. Analysis of Solid Samples:

Analysis of solid samples requires additional steps not used in the calibration of the system. The amount of sample used depends on the concentration of the compounds found in the sample.
The amount will be adjusted to be within the working range of the instrument, if possible.

1. Remove purge tube from the autosampler and place on an analytical balance.
2. Tare the balance.
3. Weigh out about 0.5 grams to 5.0 grams of solid sample. Record exact sample weight.
   NOTE: Use the largest mass of sample possible to provide the best representation of the sample and the lowest quantitation limits.
4. Re-install the tube with the sample onto the autosampler.
   NOTE: Take care not to plug the liquid sampling line that descends into the purge tube.
5. An aliquot of organic free water is placed in a 5 ml glass syringe using the same overfill technique used to prepare the system blank.
6. Add 1.0 µl of internal standard and surrogate standard mix(es) to the water.
7. Inject mixture into the tube containing the solid sample to be analyzed.
8. The sample is ready for analysis using the previously explained steps.

G. Data Validation and Quantitation:

After the analysis for a sample is complete, the quantitation software is employed to locate and identify the compounds of interest, tabulate their primary ion areas and their appropriate internal standard primary ion areas, and use the response lists prepared during calibration to quantitate the compounds. The concentration of the compounds is determined using equation 2:

Equation 2: $Ctc = (Atc * Cis) / (Ais * RF)$

Ctc = Concentration of the target compound
Atc = Area of the target compound's primary ion
Cis = Concentration of the internal standard
Ais = Area of the internal standards's primary ion
RF = Response factor

The response factor to be used (at least five were calculated during calibration) is determined as the average of all in the appropriate response list.

The reports generated by the quantitation programs should be examined closely before further calculations are done or before reporting any value. First, the integration report is examined to see that any compound identified as a "hit" was located at its appropriate scan number (retention time). A compound fund more than 5 scans away from its predicted position should be questioned and examined.

Next, the RIC trace of the analysis is examined, and the mass spectrum of any "hit" is called up and compared to its appropriate library entry. A visual comparison, as well as the data system's search algorithms, is used to confirm identification. Additionally, the

primary and secondary ions of any compound "hit" should co-elute within 2 scans of one another. If all these criteria are met, the compound is considered a positive "hit" and the quantitation values provided by the software should be further examined by manually cling up the quantitation ion on screen and confirming the peak integration.

If this is in agreement with the report value, then the quantitated value provided by the program may be used. If there is some over or under integration, the value may have to be manually calculated.

Following confirmation, the concentration of the compound in the original sample is determined using any conditional information recorded during the sample preparation and analysis steps, such as initial sample volume or weight, and any special analysis conditions, such as dilutions taken or total solids conversion to a dry weight basis for solid samples.

H. Ongoing QA/QC Evaluation:

In addition to the initial QA/QC evaluations of tuning, continuing calibration standard and system blank, several ongoing steps in quality control must be taken to ensure acceptable accuracy and precision. These steps begin with evaluation of the internal standards and surrogates added to each sample.

The location of each of the three internal standards in each sample should be compared to the location of internal standards in the continuing calibration standard. The position of each sample internal standard must not be more than 30 seconds from the position of the corresponding CCS internal standard. If any are shifted more than that, re-analysis is required following examination of possible causes for the shifting.

Along with the retention time check, the area of each internal standard in each sample should be compared with the area of the internal standards in the CCS. The area of each of the sample internal standards cannot be less than 50 % of the corresponding CCS internal standard area, and cannot be more than 200 % of the corresponding area. Areas less than 50 % are typically due to matrix effects overloading the column, and the sample may require dilution to move the internal standard area ratio into an acceptable range. Areas greater than 200 % are typically due to a differential matrix effect observed when a particularly clean sample is analyzed and compared to relatively complicated CCS sample. In either case, since all quantitations are internal standard based, a problem in the internal standard ratios is directly propagated into any values quantitated. Any values quantitated and reported using an internal standard which fails its area test should be qualified as estimated.

Following the internal standard retention time and area evaluations, the surrogate standards must next be examined. Each sample extract analyzed has surrogates added prior to analysis, so that a measure of overall system performance is available with each analysis. These surrogates should be examined carefully to be sure their recoveries are within established allowable recovery ranges. The surrogates for each fraction, and their allowable recovery ranges, can be found in Table 2.

If a surrogate or surrogates show unacceptable recoveries, the sample must be re-analyzed to check for an isolated GC-MS system error. If the same or similar results are observed, the sample should be re-analyzed, possibly at another sample aliquot size if interferences in the sample matrix are suspect. If this re-extraction and re-analysis yield the same or similar results, or if there is insufficient sample to repeat these steps, the results for the fraction or fractions with unacceptable surrogate recoveries must be identified as such on any report.

In addition to the above evaluation steps, which are performed on every sample analyzed, there is also a requirement for matrix spike and matrix spike duplicate analysis. The MS/MSD analyses are performed at a frequency of 5%, that is, every 20th sample, on average, must be analyzed as a matrix spike and a matrix spike duplicate. This frequency of 5% applies to each of the three main matrices: aqueous samples, solid samples, and TCLP samples.

A matrix spike is prepared by taking a sample aliquot identical to the one used for data generation and adding, along with the surrogate standards, a known amount of either a specific spike mixture or one of the standards used for calibration purposes. The spiked sample is then analyzed identically to the one used for data generation, and the spike recoveries are evaluated on a basis similar to the one used for surrogate recoveries. The matrix spike duplicate is merely a second spiked aliquot, again, treated identically to the sample used for data generation. For additional information of the MS/MSD analyses, and corresponding QA/QC limits, refer to the USFilter, Enviroscan Services QA/QC Manual.

In the event of a recovery or duplicate precision data that is outside the acceptable ranges, any data reported on that sample for the affected compounds must be qualified as estimated.

Table 1

Volatile Organic Compound Analysis
4-Bromofluorobenzene Tuning Criteria

Mass/Charge	Ion Abundance Criteria
50	15 to 40 % of m/z 95
75	30 to 60 % of m/z 95
95	base peak, 100 % rel. abundance
96	5 to 9 % of m/z 95
173	less than 2 % of m/z 174
174	greater than 50 % of m/z 95
175	5 to 9 % of m/z 174
176	between 95 and 101 % of m/z 174
177	5 to 9 % of m/z 176

Table 2
Volatile Organic Compound Analysis
Surrogate Standard Recovery Limits

	Allowable Recovery Range			
Surrogate	**DRW**	**Water**	**Soil**	**TCLP**
Toluene-d8	71-117%	75-127%	78-110%	71-117%
Dibromofluoromethane	80-123%	77-122%	93-117%	80-123%

TABLE 3: Characteristic Ions

SCAN NUMBER	COMPOUND NAME	PRIMARY	SECONDARDY	INTERNAL STANDARD
873 IS	Pentafluorobenzene	168		1
937 IS	1,4-Dicluorobenzene	114		2
1319 IS	4-Bromofluorobenzene	95	174 176	3
865 SURR	Dibromofluoromethane	113		1
1068 SURR	Toluene-d8	98		2
	2,3 Dichloropropene			2
838	Bromochloromethane	128	49 130	1
151	Dichlorodifluoromethane	85	87	1
205	Chloromethane	50	52 49	1
250	Vinyl chloride	62	64	1
369	Bromomethane	94	96	1
412	Chloroethane	64 (49*)	66 (51*)	1
486	Trichlorofluoromethane	151	101 153	1
586	1,1-Dichloroethene	96	61 63	1

669	Dichloromethane	84	86 49	1
703	t-1,2-Dichloroethene	96	61 98	1
752	1,1-Dichloroethane	63	65 83	1
815	c-1,2-Dichloroethene	96	61 98	1
SCAN NUMBER	**COMPOUND NAME**	**PRIMARY**	**SECONDARDY**	**INTERNAL STANDARD**
850	Chloroform	83	85	1
861	1,1,1-Trichloroethane	97	99 61	1
877	Carbon tetrachloride	117	119	2
896	Benzene	78		2
900	1,2-Dichloroethane	62	98	2
958	Trichloroethene	95	97 130 132	2
977	1,2-Dichloropropane	63	112	2
1004	Bromodichloromethane	83	85 127	2
	2-Chloroethylvinylether	63	65 106	2
1045	c-1,3-Dichloropropene	75	77 39	2
1074	Toluene	92	91	2
1127	1,3-Dichloropropane	76	78	2
1158	1,2-Dibromoethane (EDB)	107	109 188	3
1214	1,1,2,2-Tetrachloroethane	131	133 119	3
1096	t-1,3-Dichloropropene	75	77 39	2
1113	1,1,2-Trichloroethane	83	97 85	2
1124	Tetrachloroethene	164	129 131 166	2
1149	Dibromochloromethane	129	127	3
1205	Chlorobenzene	112	114 77	3
1217	Ethylbenzene	91	106	3
1228	m- & p-Xylene	106	91	3
1267	o-Xylene	106	91	3
1268	Bromoform	173	175 254	3
1335	1,1,2,2-Tetrachloroethane	83	85 131	3
1429	1,3-Dichlorobenzene	146	148 111	3
1438	1,4-Dichlorobenzene	146	148 111	3
1476	1,2-Dichlorobenzene	146	148 111	3
725	Carbon Disulfide	76	78	1
611	Acetone	58	43	1
782	Vinyl Acetate	43	86	1
942	2-Butanone (MEK)	72	43	1
1033	4-Methyl-2-pentanone (MIBK)	100	43 58 85	1
1272	2-Hexanone	43	58 57 100	1
1268	Styrene	104	78	3
1304	Isopropylbenzene	105	120	3

1332	Bromobenzene	156	77 158	3
1338	1,2,3-Trichloropropane	180	182 145	3
1345	n-Propylbenzne	91	120	3
1353	2-Chlorotoluene	91	126	3
SCAN NUMBER	**COMPOUND NAME**	**PRIMARY**	**SECONDARDY**	**INTERNAL STANDARD**
1364	1,3,5-Trimethylbenzene	105	120	3
1364	4-Chlorotoluene	91	126	3
1396	Tert-Butylbenzene	119	91 134	3
1435	p-Isopropyltoluene	119	91 134	3
1419	sec-Butylbenzene	105	134	3
1477	n-Butylbenzene	91	92 134	3
1558	1,2-Dibromo-3-chloropropane	75	155 157	3
1646	1,2,4-Tr1chlorobenzene	180	145 182	3
1666	Hexachlorobutadiene	225	223 227	3
1671	Naphthalene	128		3
1697	1,2,3-Trichlorobenzene	180	145 182	3
707	Methyl tert butyl ether	73	57	1
770	Isopropyl ether	45		1
	Dichlorofluoromethane	63+67		1
601	Trichlorotrifluoroethane	101		1
	Tetrahydrofuran	71		1
	Acrolein	56	55, 58	1
	Acrylonitrile	53	52, 51	1

Reviewed by: _____

Approved by: _____

Determination of:
Tuning the ITS 40 GC-ITMS-DS system.
Scope/Purpose:
To provide a standard method for the tuning of the ITS 40 GC-ITMS-DS prior to volatile organic compound analysis work, as is required by all EPA methods for this type of work. Also, to provide a basic "plan of attack" for troubleshooting tuning problems.

Reagents / Special Equipment
The tuning standard solution is prepared in house from pure (97% +) compound available from commercial suppliers, or from a commercially purchased standard mixture containing the tuning compound. The tuning compound is 4-bromofluorobenzene (abbreviated BFB), and is prepared from either source to produce a solution with a concentration of 25,ug/ml.

References:
Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, 3rd edition,1986.

Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, EPA 600/4-82-057, United States Environmental Protection Agency, 1982.

Magnum Software Operation Manuals, Finnigan publications, 1989-1993.

Guidelines:
Prior to the analysis of any sample using US EPA approved methods, the mass spectrometer of a GC/MS system must be "tuned" to US EPA specified criteria. Tuning consists of adjusting mass spectrometer hardware parameters so that the ion ratios of US EPA approved tuning compounds fall within specified values. The tuning compound for volatile organic compound analysis is 4-bromofluorobenzene, or BFB. The key ion abundance criterion that must be achieved when 50 ng of the tuning compound is injected is given in **Table 1**.

When the GC/MS system is operated in electron ionization/ positive ion detection mode (EI/POS), as required for US EPA analyses, perfluorotributylamine (PFTBA or FC43) is used to adjust mass spectral parameters prior to injection and analysis of BFB. When FC43 is bled into the mass spectrometer ion source, the relative abundances of ions characteristic of FC43 are monitored and adjusted to target values so that when BFB is injected and analyzed, its ion abundances will fall within the criteria specified by the US EPA. Also, the initial evaluation of FC43 provides for mass calibration of the mass spectrometer, to ensure to proper mass/charge assignment of positive ion fragments produced during ionization. **Figure 1** shows the mass spectrum of BFB when hardware parameters are adjusted correctly and would pass the BFB key ion criteria.

To begin tuning, several initial adjustments/instrument checks must be performed. Enter the instrument control program (I) and enter the **ADJUSTMENTS** menu using the mouse. First, examine the **RF voltage ramp** for linearity; second, examine the **electrometer zero** for proper instrument noise suppression; and third, examine the **calibration gas pressure** to be sure that there is sufficient FC43 entering the ion source for mass spectral evaluation. In each of these

adjustment options, the system will provide pass/fail messages, and if there is a failure, the system will provide recommended hardware solutions.

Following initial evaluation, the proper instrument tuning parameters are loaded into the system either manually or by selecting a instrument parameter file from the **FILE** menu. For the sake of completeness, the manual approach will be discussed

Enter the **CONTROL** menu and set the **scan rate** to 1 second per scan (this will also be set in the acquisition method, discussed later). Next, the **instrument parameters** are set as follows:

axial modulation is set to 3.5 volts
emission current is set to 10 µA
manifold heater is set to 220°C

Also in the **CONTROL** menu, set the display to **profile**, set ionization mode to **EI**, and select a working filament (**1 or 2**). The values discussed in this paragraph are for the most part fixed, and once set, will remain in the instrument without further data entry on a different analysis shift. Also, these values are fixed in the sense that they will not be adjusted to meet mass spectral tuning criteria.

Following these entries, the individual segments of mass analysis will be set (for a more inÄdepth discussion of mass analysis segments, refer to documents in the References section). As a starting default point, set the segments as follows:

Segment No.	Mass Range	Segment time	DAC counts
1	10 – 60	100	210
2	61 – 80	60	210
3	81 – 170	110	210
4	171 – 650	85	210

These segment parameters are set in the **SET-UP** menu, except for the mass range, which is set using the **^B** command.
While in the **SET-UP** menu, several other parameters will be examined and/or set. First, select the **check air/water** option; this will have the system evaluate the amount of system leakage, and provide a pass/fail message. Following that, the **electron multiplier voltage** must be set, this is done automatically and will determine the recommended operating voltage for the multiplier to provide sufficient sensitivity for analysis. When the recommended voltage is determined, manually edit this value to add 100 volts for increased sensitivity (this will also change some ionization parameters, see References for discussion). Next, the **target** value is set; this is done automatically to determine the proper number of ions that should be stored in the trap for proper mass resolution.

Still in the **SET-UP** menu, enter the **AGC prescan** option and keep all values as their default values except for the **background mass** value, which is set to 35 amu. As the last step in this menu, select the **EI/AGC parameters** option; again, keep all values as their defaults except for **background mass**, which is set to 35 amu and the **AGC storage level**, which is set to 210 DAC counts (same value as set for the mass segments).

This completes the mass spectrometer hardware set-up. As with the **CONTROL** menu, the **SET-UP** values will not change unless specifically programmed to different values. Most of the values entered in the **SET-UP** menu will not be altered to affect specific tuning requirements.

Following complete instrument set-up, the instrument is mass calibrated using **FC43**. This is done by selecting the **MASS CALIB** option and performing the mass calibration against known FC43 mass assignments. This is done automatically after selecting these options, and when the mass calibration is complete, manually examine the mass calibration curve. The important points to note are first, that the slope of the mass calibration line should be approximately 6.3 DAC/amu (plus or minus 1.0 %), and second, that the relative error should be less than 1.0 %.

After completing the mass spectrometer adjustment steps described above, it is time to evaluate the instrument for compliance with US EPA tuning criteria by analyzing the tuning compound. The GC and MS system parameters for testing are:

GC temperature program	-	Start at 120°C. Hold isothermal for 10 minutes.
GC injector temperature	-	220 degrees C
GC to jet separator interface	-	220 degrees C
Jet separator to MS interface	-	220 degrees C
MS manifold temperature	-	220 degrees C
MS scan range	-	36 amu to 260 amu
MS scan time	-	full mass range scanned in 1 second (including settling and pre-scan)
MS scan sequence	-	Filament/multiplier off for 200 seconds Filament/multiplier on for 400 seconds (total sequence time 10 minutes)
MS mass defect	-	30 mmu per 100 amu

Inject 1.0 µl of the tuning standard solution. Once the acquisition is complete, the GC peak for the tuning compound must be checked using the chromatographic display program **C**. Obtain a background correct mass spectrum of BFB and check that all the key ion abundance criteria of Table 1 are achieved. This can best be accomplished by running the procedure **BFB** from the initial software screen, provided the tuning datafile is selected as the default file. This procedure will prepare a pass/fail table based of BFB criteria. An example output of this procedure is provided as **Figure 2**.

If the table shows all **PASS** criteria, work for the day may continue, a tune is only valid for 12 hours, and the instrument must be rechecked for passing tune ion criteria on that timetable.

If the tune was unsuccessful, the following table may help solve some of the simple, often observed problems:

Problem	Adjustable Parameter	Technique to try
m/z 50 too low	Mass Segment Time	Increase

m/z 174 base peak	Mass Segment Time	Decrease
m/z 173 too high-	Peak Threshold	Increase
m/z 176 too high	Target	Decrease
	Electron Multiplier	Increase
m/z 174/176 isotopes bad	Target	Decrease
	Electron Multiplier	Increase

As seen here, the only parameters which will be adjusted (most of the time) are the target value and the electron multiplier voltage; these are the parameters which are most likely to change as the source gets dirty or the multiplier ages. All other parameters, including mass segment time and peak threshold, once set, will remain constant, for the most part. In the event of several tuning failures, the first items to check are the target value and the multiplier voltage, which can be quickly evaluated using the **SET-UP** procedures described above.

A tune should not vary that much from day to day, provided no significant change to the system was made during that interval. Therefore, avoid a complete system set-up as a starting point to tune. Check for air/water leaks, proper electrometer zero set, and sufficient calibration gas first, then perform a mass calibration (these can be quickly done using the **AUTO SET-UP** program). Other set-up procedures should be examined on a weekly basis. Following those steps, inject and analyze the tuning compound and if there is a failure, try the above steps before doing a complete system set-up. Excessive use of FC43 will prematurely dirty the source, causing difficulty in tuning and necessitating cleaning at more frequent intervals.

For a more complete discussion of the menus and options in this SOP, and hardware/software operating information, refer to documents in the References section.

Table 1
BFB Key Ions and Ion Abundance Criteria

Mass/Charge	Ion Abundance Criteria
50	15 – 40% of m/z 95
75	30 – 60% of m/z 95
95	Base Peak, 100% Relative abundance
96	5 – 9% of m/z 95
173	<2% of m/z 174
174	>50% of m/z 95
175	5 – 9% of m/z 174
176	>95% bu <101% of m/z 174
177	5 – 9% of m/z 176

TABLE 3-1
VOLATILE ORGANIC COMPOUND LIST WITH QUANTITATION LIMITS AND QA OBJECTIVES
KENOSHA BROWNFIELDS - KENOSHA, WISCONSIN
STS PROJECT NO. 86415XA

Analyte	MethodReference	WaterMatrix LOQ(ug/L)	%RecoveryLimits		%RPDLimits	SoilMatrix LOQ(mg/kg)	%RecoveryLimits		%RPDLimits
VOCs									
Benzene	8021	0.50	74.7	125.6	11.6	0.06	80	120	20
Bromobenzene	8021	0.50	86.3	118.4	14.5	0.06	80	120	20
Bromodichloromethane	8021	0.43	80.8	120.8	15.1	0.06	80	120	20
CarbonTetrachloride	8021	0.50	76.4	120.6	17.3	0.06	80	120	20
Chlorobenzene	8021	0.50	74.9	113.6	11.4	0.06	80	120	20
Chloroethane	8021	0.50	65.1	144.6	32.8	0.06	80	120	20
Chloroform	8021	0.47	82.2	117.5	16.1	0.06	80	120	20
Chloromethane	8021	0.50	50.0	150.0	56.4	0.06	80	120	20
2-Chlorotoluene	8021	0.50	78.2	113.4	18.5	0.06	80	120	20
4-Chlorotoluene	8021	0.50	66.7	121.6	24.4	0.06	80	120	20
Chlorodibromomethane	8021	0.50	74.0	108.1	19.7	0.06	80	120	20
1,2-Dibromo-3-chloropropane	8021	0.83	64.6	151.8	43.8	0.06	80	120	20
1,2-Dichlorobenzene	8021	0.50	81.2	115.9	20.6	0.06	80	120	20
1,3-Dichlorobenzene	8021	0.50	80.8	114.4	22.1	0.06	80	120	20
1,4-Dichlorobenzene	8021	0.50	78.0	113.9	20.5	0.06	80	120	20
1,1-Dichloroethane	8021	0.50	71.0	123.8	19.4	0.06	80	120	20
1,2-Dichloroethane	8021	0.50	83.7	113.6	12.9	0.06	80	120	20
1,1-Dichloroethene	8021	0.50	69.0	126.0	19.6	0.06	80	120	20
c-1,2-DCE	8021	0.50	79.8	118.0	15.5	0.06	80	120	20
trans-1,2-Dichloroethene	8021	0.50	68.5	119.6	21.1	0.06	80	120	20
MethyleneChloride	8021	1.30	69.1	133.1	19.6	0.06	80	120	20
1,2-Dichloropropane	8021	0.50	80.8	115.7	16.4	0.06	80	120	20
1,3-Dichloropropane	8021	0.67	82.4	113.7	10.3	0.06	80	120	20
2,2-Dichloropropane	8021	0.50	51.2	117.5	14.9	0.06	80	120	20
Ethylbenzene	8021	1.67	66.7	120.5	12.2	0.06	80	120	20
1,2-Dibromoethane	8021	0.40	64.4	116.2	18.6	0.06	80	120	20
1,1,2,2-Tetrachloroethane	8021	0.43	88.9	134.4	25.7	0.06	80	120	20
Tetrachloroethene	8021	0.50	75.7	115.1	21.0	0.06	80	120	20
Toluene	8021	1.33	71.8	119.4	13.2	0.06	80	120	20
1,1,1-Trichloroethane	8021	0.50	78.4	118.4	15.8	0.06	80	120	20
1,1,2-Trichloroethane	8021	0.47	83.2	118.0	14.8	0.06	80	120	20
Trichloroethene	8021	1.33	70.6	118.8	20.0	0.06	80	120	20
VinylChloride	8021	0.37	75.5	129.1	26.5	0.06	80	120	20
O-Xylene	8021	0.50	68.7	131.1	11.1	0.06	80	120	20
m-&p-Xylene	8021	1.33	72.6	128.1	12.0	0.06	80	120	20
Methyl-tertbutyl-ether	8021	1.00	87.6	122.3	14.8	0.06	80	120	20
1,3,5-Trimethylbenzene	8021	0.50	71.6	119.6	13.1	0.06	80	120	20
1,2,3-Trichlorobenzene	8021	1.67	49.9	124.6	41.3	0.06	80	120	20
Isopropylbenzene	8021	0.50	76.4	120.2	13.1	0.06	80	120	20
Dichlorodifluoromethane	8021	0.83	57.3	156.1	21.4	0.06	80	120	20
Naphthalene	8021	2.67	50.0	150.0	56.1	0.06	80	120	20
Trichlorofluoromethane	8021	0.50	68.1	131.7	23.4	0.06	80	120	20
Hexachlorobutadiene	8021	3.33	61.4	108.1	29.6	0.06	80	120	20
n-Propylbenzene	8021	0.50	74.0	116.3	15.3	0.06	80	120	20
n-Butylbenzene	8021	0.50	60.8	123.5	19.9	0.06	80	120	20
1,2,4-Trimethylbenzene	8021	1.33	67.2	131.3	13.3	0.06	80	120	20
sec-Butylbenzene	8021	0.50	76.7	118.9	15.4	0.06	80	120	20
tert-Butylbenzene	8021	0.50	71.6	117.6	13.8	0.06	80	120	20
4-Isopropyltoluene	8021	0.67	60.8	118.6	15.8	0.06	80	120	20
Isopropyl Ether	8021	0.83	70.0	124.4	19.2	0.06	80	120	20
Dichlorodifluoromethane	8260	0.15	14.6	151.9	25.4				
Chloromethane	8260	0.17	38.5	136.4	21.3				
Vinyl Chloride	8260	0.12	44.7	145.1	19.5				
Bromomethane	8260	0.15	34.6	138.2	21.7				
Chloroethane	8260	0.50	26.1	207.9	53.8				
Trichlorofluoromethane	8260	0.15	55.9	149.7	26.6				
1,1-Dichloroeth(yl)ene	8260	0.15	59.1	149.9	25.7				
Methylene Chloride	8260	0.50	54.5	146.1	44.1				
Methyl t-Butyl Ether(MTBE)	8260	0.14	60.4	151.2	36.8				
trans-1,2-Dichloroethylene	8260	0.15	57.4	139.3	28.8				
1,1-Dichloroethane	8260	0.15	59.6	157.0	17.7				
2,2-Dichloropropane	8260	0.15	52.8	137.2	26.7				
cis-1,2-Dichloroeth(yl)ene	8260	0.15	73.5	144.3	30.6				
Bromochloromethane	8260	0.15	55.2	158.8	30.5				
Chloroform	8260	0.06	82.8	138.1	17.8				
1,1,1-Trichloroethane	8260	0.15	77.6	140.4	18.1				
1,1-Dichloropropene	8260	0.25	48.2	144.8	22.9				
Carbon Tetrachloride	8260	0.15	78.3	142.9	14.9				
Benzene	8260	0.15	71.5	134.4	17.0				
1,2-Dichloroethane	8260	0.15	83.8	141.5	16.4				
Trichloroeth(yl)ene	8260	0.10	67.0	138.1	17.5				
1,2-Dichloropropane	8260	0.15	81.6	138.9	16.4				
Dibromomethane	8260	0.15	68.9	128.1	18.0				
Bromodichloromethane	8260	0.06	79.6	133.9	25.3				
cis-1,3-Dichloropropene	8260	0.07	74.4	130.1	17.8				
Toluene	8260	0.40	80.0	128.4	15.8				
trans-1,3-Dichloropropene	8260	0.09	72.0	131.1	20.0				
1,1,2-Trichloroethane	8260	0.09	85.6	140.3	18.0				
Tetrachloroeth(yl)ene	8260	0.15	66.6	131.8	17.7				
1,3-Dichloropropane	8260	0.15	86.8	144.8	18.7				
Dibromochloromethane	8260	0.15	65.4	135.1	14.5				
1,2-Dibromoethane(EDB)	8260	0.06	72.5	125.4	16.8				
Chlorobenzene	8260	0.15	80.0	123.1	16.6				
1,1,1,2-Tetrachloroethane	8260	0.15	81.1	132.4	15.8				
Ethylbenzene	8260	0.15	85.9	126.2	16.1				
m-& p-Xylene	8260	0.40	75.7	122.0	20.7				
o-Xylene	8260	0.15	81.5	133.7	19.7				
Styrene	8260	0.15	58.6	151.4	36.3				
Bromoform	8260	0.07	50.6	145.9	24.2				
Isopropylbenzene	8260	0.15	82.1	126.9	16.0				
1,1,2,2-Tetrachloroethane	8260	0.06	80.6	153.0	25.8				
1,2,3-Trichloropropane	8260	0.15	79.8	143.5	29.9				
Bromobenzene	8260	0.15	73.7	118.1	17.2				
n-Propylbenzene	8260	0.15	82.2	129.0	17.6				
2-Chlorotoluene	8260	0.15	81.5	126.0	21.3				
1,3,5-Trimethylbenzene	8260	0.15	78.1	126.3	20.8				
4-Chlorotoluene	8260	0.15	83.4	123.5	17.3				
tert-Butylbenzene	8260	0.15	81.6	129.3	14.2				
1,2,4-Trimethylbenzene	8260	0.40	71.1	125.7	25.7				
sec-Butylbenzene	8260	0.15	81.7	128.7	16.3				
4-Isopropyltoluene	8260	0.15	81.3	128.7	15.7				
1,3-Dichlorobenzene	8260	0.15	80.5	139.1	16.0				
1,4-Dichlorobenzene	8260	0.15	84.7	121.3	15.1				
n-Butylbenzene	8260	0.15	76.4	131.3	21.9				
1,2-Dichlorobenzene	8260	0.15	63.4	112.7	15.0				
Dibromochloropropane(DBCP)	8260	0.25	70.7	162.0	41.1				
1,2,4-Trichlorobenzene	8260	0.50	68.8	128.5	32.3				
Hexachlorobutadiene	8260	1.00	70.5	125.7	21.4				
Naphthalene	8260	1.00	50.0	150.0	206.2				
1,2,3-Trichlorobenzene	8260	0.50	48.7	162.3	38.0				

Determination of: Trace metals in waters and wastes by Gas Furnace Atomic Absorption Spectrophotometry.

Scope/Purpose: – To provide a standard method for the analysis of samples for trace metals using Atomic Absorption Spectrophotometry, Graphite Furnace Technique

Reagents:
1000 ppm AA standard for each metal
Matrix modifiers

Equipment:
Perkin Elmer Model 4100ZL Zeeman
Atomic Absorption Spectrometer (AA2); (AA3 includes, FIAS 100 for Mercury)
Digital DecPC 433dxLP personal computer
Okidata Microline 320 printer
Perkin Elmer EDL-2 system
EDL-2 lamps for Pb, Se, As, Sb, Cd, Hg
AS-71 Autosampler
Grade 5 Argon gas
Hollow Cathode Lamps

References:

Methods for the Determination of Metals in Environmental Samples, EPA/600/4-91/010, Office of Research and Development, June 1991.and EPA/600/R-94/111, Supplement I, May, 1994.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, EPA, Office of Solid Waste and Emergency Response, 401 M Street, S.W., Washington D.C. 20460, December 1996.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Environmental Monoriting and Support Laboratory, 26 West Martin Luther King Drive, Cincinnati, Ohio 45268, Revised 1983, including EPA-600/4-84-017, March, 1984.

Model 4100ZL Instrument Manual, Perkin-Elmer, Norwalk, Connecticut, Revised September 1992.

Atomic Absorption Laboratory Benchtop User's Guide, Perkin Elmer, Norwalk, Connecticut, Revised February 1992.

Atomic Absorption Laboratory Reporter User's Guide, Perkin Elmer, Norwalk, Connecticut, Revised March 1992.

Discussion:

This method describes the determination of applicable elements by stabilized temperature platform graphite furnace atomic absorption (STPGFAA). In STPGFAA, the sample and the matrix modifier are first pipetted onto a platform inside a graphite tube. The sample is dried at a relatively low temperature (120°C). Once dried, the sample is normally pretreated in a char or ashing step which is designated to minimize the interference effects by removing as much of the nonmetallic material as possible. After the char step, the furnace is allowed to cool prior to atomization. The atomization cycle is characterized by rapid heating of the furnace to a temperature where the metal is atomized from the pyrolytic graphite surface. The resulting atomic cloud absorbs the elements specific atomic light emission produced by lamp (Hollow Cathode or Electrodeless Discharge). Because the resulting absorbance usually has a nonspecific component associated with the actual analyte absorbance, an instrumental background correction device is necessary to subtract it from the total signal. The 4100 ZL instrument uses Zeeman background correction. A large electromagnet around the sample is rapidly turned on and off to divide the signal into total and background absorbances. The background is subtracted from the total signal giving a corrected absorbance. Interferences related to the STPGFAA (see next section) must be recognized and corrected. Instrumental drift as well as suppressions or enhancements of instrument response caused by the sample matrix can be corrected for by the method of standard addition.

Interferences:

Spectral: Interferences resulting for the absorbance of light by a molecule and/or an atom, which is not the analyte of interest. Spectral interference caused by an element only occur if there is a spectral overlap between the wavelength of the interfering element and the analyte of interest. Fortunately, this type of interference is relatively uncommon in STPGFAA due to the narrow atomic line widths associated with the analysis. In addition, the use of appropriate furnace temperature programs and high spectral purity lamps can minimize the occurrence of this problem. However, molecular absorbances can span over several hundred nanometers producing broadband spectral interferences. This interference is much more common in STPGFAA. The use of matrix modifiers, selective volatilization and background correctors are all involved in reducing unwanted non-specific absorbances. The non-specific component of the total absorbance can vary considerably from sample type to sample type. Therefore, the effectiveness of the background correction device may vary depending on the actual analyte wavelength used as well as the nature and the magnitude of the interference. Spectral interferences are also caused by the emission of black body radiation produced during the atomization furnace cycle. The black body emission reaches the photomultiplier tube producing erroneous results. The proper furnace alignment, and a good monochrometer design can minimize this interference. Also, atomization temperatures which adequately volatilize the analyte of interest without producing unnecessary black body radiation can help reduce unwanted background emission produced during atomization.

The spectral interferences may be manifested by extremely high backgrounds which may exceed the capability of the corrector and/or it may be manifested as a non-analyte element which may cause a direct spectral overlap with the analyte being run. If a spectral interference is suspected, the sample can be diluted if the analyte absorbance is large enough to sacrifice some sensitivity. This may reduce the interference to the point where the background corrector may adequately remove the remainder of the non-specific interferences. If the interference is caused by spectral overlap, diluting the sample would result in a linear decrease in the absorbance for the desired analyte as well as the interfering element. It is suggested that another wavelength be used which would eliminate the suspected spectral interference(s). If the interference persists, the analyst is advised to attempt to selectively volatilize the analyte or the non-specific component thereby eliminating the unwanted interference by atomizing the analyte in an interference-free environment. If none of the above is applicable and the spectral interference persists, an alternative analytical method which is not base on the same type of physical/chemical principle may be necessary to effectively evaluate the concentration of the analyte.

Non Spectral: Interferences caused by components in the sample which inhibit the formation of free atomic analyte atoms during the atomization cycle. The use of a delayed atomization device which provides stabilized temperatures is required, because these devices provide an environment which is more conducive to the formation of free analyte atoms and thereby minimizing this interference. By using a laboratory fortified sample matrix early within any analysis set, the problem can be detected. Calculate the percent recovery of the spiked matrix, and if it is outside the control limits determined for each analyte, and a problem should be suspected. The standard additions method could be employed at this point. If the percent recovery from the method of standard addition is drastically different from the percent recovery from the lab fortified matrix, then lab contamination should be suspected and appropriate steps should be taken to correct it. If the two recoveries are approximately equal and the response from the standard addition is dramatically different than that which would be calculated from the calibration curve, the sample should be suspected of a matrix induced interference and be analyzed by the method of standard additions.

Memory Interferences: Memory interferences are those stemming from analyzing a sample containing a high concentration of an element (typically a high atomization temperature element) which cannot be removed quantitatively in one complete set of furnace steps. The remaining analyte can produce carry-over to the subsequent samples causing them to read false positive signals. Therefore, the analyst should establish the concentration of analyte that will not cause memory interference. If this concentration is exceeded, the sample should be diluted and a blank should be analyzed before reanalyzing the sample. Multiple clean out furnace cycles may be necessary to remove some memory interferences.

Specific Element Interferences:

Antimony: Antimony suffers from an interference produced by K_2SO_4. In the absence of hydrogen in the char cycle, K_2SO_4 produces a relatively high background absorbance, which can produce a false signal. By using a

hydrogen/argon gas mixture in this step, the interference can be dramatically reduced. This reduction in background is strongly influenced by the temperature of the char step.

Arsenic: The Hydrochloric acid present from the digestion procedure can influence the sensitivity for As. A 1% HCL solution with Pd used as a modifier results in a 40% loss in sensitivity to the analyte in a 1% HNO_3 solution. The use of $Pd/Mg/H_2$ as a modifier reduces this suppression to about 10%.

Cadmium: The HCl present from the digestion can influence the sensitivity for Cd. A 1% HCl solution with Pd used as a modifier results in a 70% loss in sensitivity relative to the analyte in a 1% HNO_3 solution. The use of $Pd/Mg/H_2$ as a modifier reduces this suppression to less than 10%.

Copper: Pd limes at 324.27 nm and 325.16 nm may produce an interference on the Cu line at 324.8 nm.

Lead: The HCl present from the digestion procedure can influence the sensitivity for Pb. A 1% HCl solution with Pd used as a modifier results in a 70% loss is sensitivity relative to the analyte response in a 1% HNO_3 solution. The use of $Pd/Mg/H_2$ as a modifier reduced this suppression to less than 10%.

Selenium: Iron has been shown to suppress Se response with continuum source background correction. In addition, the use of hydrogen as a purge gas during the dry and char steps can cause a suppression in Se response if not purged from the furnace prior to atomization.

Sample Preservation, Holding Time, and Detection Limits:

Analysis	Preservation	Holding Time	Detection Limits (µg/l) PE 4100ZL
Antimony	Nitric Acid	6 months	1.2
Arsenic	Nitric Acid	6 months	1.3
Silver	Nitric Acid	6 months	0.26
Cadmium	Nitric Acid	6 months	0.20
Chromium	Nitric Acid	6 months	1.3
Copper	Nitric Acid	6 months	2.0
Lead	Nitric Acid	6 months	1.0
Selenium	Nitric Acid	6 months	3.0
Thallium	Nitric Acid	6 months	0.49

Reagents:

Preparation of Matrix Modifiers: All matrix modifiers are prepared in volumetrics and transferred into labeled polyethylene bottles for storage.

1. Nickel Nitrate Solution: Weigh 9.91 grams of Nickel Nitrate and dilute to 500 ml with deionized water.
2. Ammonium Phosphate Monobasic: Weigh 20.0 grams of Ammonium Phosphate Monobasic and dilute to 500 ml with deionized water.
3. Magnesium Nitrate: Weigh 1.0 gram of Magnesium Nitrate and dilute to 100 ml using deionized water.
4. Palladium/Magnesium Nitrate Solution: Weigh 1.06 grams of Magnesium Nitrate, and pipet 50 ml of Palladium AA stock standard into a 500 ml volumetric and dilute with deionized water.
5. 1 % Sulfuric Acid Solution: Pipet 1 ml of concentrated Sulfuric acid into a 100 ml volumetric and dilute with deionized water.
6. Palladium/Magnesium Nitrate Solution: Weigh 50.0 mg of Magnesium nitrate, and measure 75.0 ml of Palladium stock standard. Place into a 100 ml volumetric and add 1.0 ml of concentrated nitric acid. Dilute with deionized water.
7. Nickel Solution: Use 1000 ppm stock nickel standard.

8. Ammonium Phosphate Monobasic Magnesium Nitrate solution: weigh out 10.0 g of Ammonium Phosphate Monobasic and 0.600 g of Magnesium Nitrate. Place into a 1 L volumetric and dilute with deionized water.
9. Palladium-Magnesium Nitrate: Pipet 10 ml of 10000mg/l Pd stock standard, 1 ml of 10000mg/l Magnesium Nitrate into a 100 ml volumetric flask and dilute to the mark with deionized water.

Calibration of the System:
Prepare Calibration Standards:

1000 µg/L Working Standard of Aluminum, Antimony, Arsenic, Chromium, Copper, Lead, Selenium, and Thallium: Dilute 1 ml of 1000 mg/L stock standard to 1000 ml using deionized water.

Prepare a 1, 2, and 5 ml aliquot of the working standard diluted to 100 ml to make 10, 20, and 50 µg/L calibration standards.

100 µg/L Working Standard of Cadmium: Dilute 1 ml of 1000 mg/L stock standard to 1000 ml using deionized water. A 10 ml aliquot of this standard is diluted to 100 ml.

Prepare a 1, 2, and 5 ml aliquot of this working standard are diluted to 100 ml to create 1, 2, and 5 µg/L calibration standards.

100 µg/L Working Standard of Silver: Dilute 1 ml of 1000 mg/L stock standard to 1000 ml using deionized water. A 10 ml aliquot of this standard is diluted to 100 ml.

Prepare a 2, 5, and 10 ml aliquot are taken from this working standard and diluted to 100 ml creating 2, 5, and 10 µg/L calibration standards.

Instrument Setup PE 4100ZL:

1. Turn on the power switches for the PE 4100ZL, printer, computer and EDL-2 system.
   Note: The computer will automatically initialize itself to Microsoft windows. Choose "lab benchtop."
2. If Pb, Se, Sb, or As are to be analyzed insert the proper EDL lamp in the turret and toggle the reset switch on the driver on the face of the EDL-2 system.
3. Adjust the current of the lamp and allow it to warm up for 1 hour. The current will drift as the lamp gets warm so it will have to be readjusted after the hour.

Lamp Currents	Lamp Currents
Pb = 400	Sb = 380
As = 380	Se = 260

4. Using the mouse, go into the pull down menu for windows and click on "Element "parameter. Choose the appropriate metal file you need.
5. In the same menu choose "align lamps." Choose the proper position for each lamp and optimize the lamps alignment using the manual controls on the lamp turret.
6. Using the windows menu choose the "ID/WT" parameter. This screen allows you to set up a benchsheet that tells the computer what samples are in what position on the autosampler. Under the file pull down menu, choose "Save As" to save the ID/WT file.

   Example: To save a file for lead run on November 7, 1994, use the file name PB110794.IDW. The element file will already have the information for the Calibration standards, blanks and instrument spiking frequency. NOTE: You will need the frequency for the unprepped duplicates.

7. Fill the auto sampler using the 2.0 ml sample cups for the calibration standards and the 1.2 ml cups for the samples. Use the cloverleaf cup for the calibration blank and the large round cup for the matrix modifier.
8. At the benchtop screen, there are four window layouts at the far right of the screen. Choose "GREGLAY" it will allow you to view the display data, display calibration, display peaks, furnace control and auto sampler 70 control windows simultaneously. The instrument will automatically cycle the turret to the correct lamp.

9. Maximize the AS-70 window and choose a data file for the analysis.

   Example: Data file for lead run on November 7, 1994, would be PB110794.dat.

10. Turn on the argon gas.
11. Highlight "Calibrate" and the instrument will run the blank and three calibration standards. A calibration curve will be generated on the display calibration window complete with a regression coefficient, slope and intercept.
12. If the calibration is acceptable, highlight "Run Samples" and the instrument will analyze all of samples inserting spikes and check standards as prescribed in the element file. The instrument will convert the absorbances into concentrations using the regression line generated with the standards. All data will be saved to the hard drive and printed out during the analysis.

Initial Calibration:
The prepared standards and the calibration blank are analyzed daily with each analytical batch in order to establish a calibration curve. The curve is a simple linear regression plotting the concentration of the standard versus the absorbance generated by the AA. The curve is started at 0 absorbance and 0 concentration with a correlation coefficient of 0.995 or greater.

Continuing Calibration Checks:
1. Check Standard: After the initial calibration, a mid-range standard is analyzed followed by a quality control check standard which must be from a different lot number and/or manufacturer with a 90-110% recovery of the true value in order to continue with sample analysis. Check standards are analyzed at a frequency of every 10 samples.
2. Digested Laboratory Reagent Blank, and
3. Calibration Blank follows the check standard.
4. Samples
5. Matrix spike/Matrix Spike Duplicate
6. Check Standard with a 90-110% recovery.
   NOTE: The last sample analyzed in the batch shall be a Check Standard.

Recording Data:
The auto sampler is set up as designated on the benchsheet. The ID/WT file is the benchsheet used for the PE 4100ZL. The PE 4100ZL does a peak tracing as the sample is analyzed.

1. Samples are run and their absorbances are recorded on the Printer with the tracing for every sample drawn on the chart recorder. The profile is immediately stored in a peak profile file that has the same file name as the data file for the run.

   Example: The file name for lead peaks analyzed on November 7, 1994 would be PB110794.PKS.

2. The absorbances are converted into concentrations using the linear regression for that run. The PE 4100ZL automatically makes the calculation and prints a complete list of data.

Quality Assurance/Quality Control:
The QA/QC must be done every analytical batch of 20 samples or less and are analyzed using identical conditions as are used for the standard analysis shall be as follows:

MS/MSD: Duplicates have a 10% frequency and Spikes a 5% frequency. Matrix spike/matrix spike duplicates are analyzed to collect more defining data information about the matrix and a specific metal.

Calibration Blank: A calibration blank is to be analyzed for every run.

Digested Reagent Blank: A digested reagent blank needs to be analyzed for each metal prepped on a specific day.

Instrument QC: There are two types of QC which must be analyzed: Nondigested samples and Digested samples. Digested samples are prepped according to the method used, such as, Recoverable, Total and Solid prepped metals which have separate sets of QC.

Instrument duplicates are two identical samples run consecutively. The difference in concentration between the two is divided by the average of the two and multiplied by 100 to obtain the duplicate difference.

Instrument spikes are automatically setup by the PE 4100ZL. The Element file of each metal prompts the instrument to spike at a frequency of 5%, with a specific volume amount of standard, and the expected recovery. The results are printed out on the benchsheet. The instrument computes the recovery by subtracting the sample concentration from the spike concentration, dividing it by concentration of spike added and multiplying by 100 to get a recovery in terms of percent.

Analysis note: The auto dilutor and autospiker on the PE4100ZL do not work well together. By diluting the sample volume, the potential for error in the spike increases. Avoid using this data whenever possible.

Control Limits: Every year new control limits need to be reestablished for all duplicates and spikes analyzed.

The method for defining these limits is to take 20 representative points of data acquired throughout the year and calculate the mean and standard deviation. Multiply the standard deviation by three and add it to the mean to get an upper control limit and subtract it from the mean to get a lower control limit.

Quality control data is recorded in a logbook. If the check standards do not fall within the established limits, the analysis is terminated. Duplicates and spikes outside the control limits need to be investigated to determine the problem. If the samples are not re-analyzed the data must be flagged.

If method of standard additions is required, the following procedure is recommended. This technique involves preparing new standards in the sample matrix by adding known amounts of standard to one or more sample aliquots. This effectively compensates for the component of the sample that is enhancing or depressing the signal.

a. Two identical aliquots of a sample are taken. Each is volume V_X.

b. To the first (A) a small volume V_S of a standard of concentration C_S is added.

c. To the second (B) is added the same volume V_s of the solvent.

d. The analytical signals of A and B are measured and corrected for nonanalyte signals.

e. The unknown sample concentration C_X is calculated.

$$C_X = S_B \times V_s \times C_S / [S_A - S_B]V_X$$

where S_A and S_B are the analytical signals of solutions A and B respectively. V_S and C_S should be chosen so that S_A is roughly twice S_B. It is best if V_S is made much less than V_X and thus C_X is much greater than C_X, to avoid excess dilution of the sample matrix.

Every calibration is assigned a batch ID number, which serves to track all of the data done using that particular curve.

The sample results are entered into the computer system ug/l. Refer to "LIMS - Version 4.0" for instruction on how to enter results.

Maintenance
Regular preventive maintenance is performed as warranted. The Quartz windows and furnace need to be cleaned as needed.

The Autosampler pump needs to be lubricated at least once a month.

Graphite tubes are replaced as needed and the Contact Cylinders must be changed every 6 months or about every 5000 burns. Tubes and cylinders must be conditioned before using them for analysis of metals. The furnace program for conditioning them can be found at the bottom of the page.

Every time the furnace unit is moved or cleaned, the alignment should be checked. An HCl (any metal) must be on during the alignment procedure. The instrument must be in continuous mode reading at intervals of 0.5 seconds. The background corrector must be off. The position of the furnace can be adjusted using the alignment screws to obtain an instrument readout of the lowest number possible. Refer to the AA owner's manual if there are questions.

All maintenance and dates of receiving new parts are to be recorded in an instrument maintenance logbook. This book must be kept near the instrument.

The data, peak and ID/WT files on the PE 4100ZL need to be saved to disk every six months or as needed.

To condition the tubes for the PE 4100ZL choose the tube condition program. Open the furnace control window and click on the furnace icon to begin the program. A copy of the ZCOND_PB file is attached.

Reviewed by: _____

Approved by: _____

APPENDIX F

Soil and Sludge Laboratory Analytical Results

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 715-359-7226
FACSIMILE 715-355-3221

May 21, 2001

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

Attn: Lanette Altenbach

REPORT NO.: 069106 **PROJECT NO.: 586415XB**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received April 25, 2001.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

James R. Salkowski

James R. Salkowski
Laboratory Director

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Release of this Final Report is authorized as verified by the following signature.

Approved by: Eric P. Mueller

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

069106.2

Lab Id	Client Sample ID	Date/Time	Matrix
069106	CL-P1-SL010423	04/23/01 14:50	SOIL
069107	CL-P3W010423	04/23/01 16:30	WASTEWATER
069108	CL-P4-SL010423	04/23/01 15:25	SOIL
069109	CL-P5-SL010423	04/23/01 15:15	SOIL
069110	CL-P6-SL010423	04/23/01 15:40	SOIL
069111	CL-P7-SL010423	04/23/01 15:55	SOIL
069112	MEOH BLANK-USF	04/23/01	SOIL
069113	CL-TP1-503	04/23/01 09:00	SOIL
069114	CL-TP2-503	04/23/01 10:10	SOIL
069115	CL-TP3-502	04/23/01 11:30	SOIL
069116	CL-TP4-504	04/23/01 12:30	SOIL
069117	CL-TP5-S04	04/23/01 13:30	SOIL
069118	MEOH BLANK-USF	04/23/01	SOIL

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

069106,10,11,13 XXX = LCL AND DUP ALSO

QA/QC:

REPORTING:

All samples submitted were completed for all analyses requested (Completeness = 100%). Deviations in precision and accuracy are noted with the appropriate qualifiers for that analyte on the following report pages.

The client expressed verbal concern in regards to the large dilutions taken on the samples submitted for Aroclor analyses. After further investigation, the samples needed to have a 50 fold dilution in order for us to acheive a final extract volume of 10 mls (target is 2). The physical nature of these samples did not respond to 3665 or 3660 extract cleanup. The extract was screened for contaminants and revealed severe contamination. The final analyses were performed on dilutions the analyst deemed necessary to provide us an adequate look at PCB pattern recognition. A further concentration of the extract would greatly reduce any possibility of pattern recognition.

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.3
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P1-SL010423 Matrix: SOIL Sample Date/Time: 04/23/01 14:50 Lab No. 069106

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Arsenic	12.1	mg/kg	0.23	0.766	1		05/02/01	BMS
Total Barium	2,400.	mg/kg	0.07	0.233	10		05/02/01	BMS
Total Cadmium	193.	mg/kg	0.03	0.0999	1		05/02/01	BMS
Total Chromium	805.	mg/kg	0.033	0.11	10		05/02/01	BMS
Total Copper	15,000.	mg/kg	0.13	0.433	100		05/02/01	BMS
Total Lead	3,540.	mg/kg	0.33	1.1	10		05/02/01	BMS
Total Nickel	280.	mg/kg	0.1	0.333	1		05/02/01	BMS
Total Selenium	43.3	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Silver	12.7	mg/kg	0.1	0.333	1	LCL	05/02/01	BMS
EPA 7041								
Total Antimony	178.	mg/kg	0.04	0.133	100		05/10/01	DJB
EPA 7471								
Total Mercury	2.34	mg/kg	0.04	0.133	10	SPH DUP	05/01/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<2.00	mg/kg	0.004	0.0133	100		05/02/01	LMP
Bromobenzene	<2.00	mg/kg	0.008	0.0266	100		05/02/01	LMP
Bromodichloromethane	<2.00	mg/kg	0.005	0.0167	100		05/02/01	LMP
n-Butylbenzene	6.68	mg/kg	0.005	0.0167	100	DUP	05/02/01	LMP
sec-Butylbenzene	<2.00	mg/kg	0.004	0.0133	100		05/02/01	LMP
tert-Butylbenzene	<2.00	mg/kg	0.003	0.00999	100		05/02/01	LMP
Carbon Tetrachloride	<2.00	mg/kg	0.006	0.02	100		05/02/01	LMP
Chlorobenzene	<2.00	mg/kg	0.004	0.0133	100		05/02/01	LMP
Chlorodibromomethane	<2.00	mg/kg	0.004	0.0133	100		05/02/01	LMP
Chloroethane	<2.00	mg/kg	0.012	0.04	100	CSH CSL LCL	05/02/01	LMP
Chloroform	<2.00	mg/kg	0.016	0.0533	100		05/02/01	LMP
Chloromethane	<2.00	mg/kg	0.011	0.0366	100	CSL LCL DUP	05/02/01	LMP
2-Chlorotoluene	<2.00	mg/kg	0.012	0.04	100		05/02/01	LMP
4-Chlorotoluene	<2.00	mg/kg	0.014	0.0466	100		05/02/01	LMP
1,2-Dibromo-3-chloropropane	<2.00	mg/kg	0.019	0.0633	100		05/02/01	LMP
1,2-Dibromoethane	<2.00	mg/kg	0.006	0.02	100		05/02/01	LMP
1,2-Dichlorobenzene	<2.00	mg/kg	0.007	0.0233	100		05/02/01	LMP
1,3-Dichlorobenzene	<2.00	mg/kg	0.011	0.0366	100		05/02/01	LMP
1,4-Dichlorobenzene	<2.00	mg/kg	0.013	0.0433	100		05/02/01	LMP
Dichlorodifluoromethane	<2.00	mg/kg	0.017	0.0566	100	CSL LCL	05/02/01	LMP
1,1-Dichloroethane	<2.00	mg/kg	0.006	0.02	100		05/02/01	LMP
1,2-Dichloroethane	<2.00	mg/kg	0.004	0.0133	100	CSL	05/02/01	LMP
1,1-Dichloroethylene	<2.00	mg/kg	0.007	0.0233	100	CSL LCL DUP	05/02/01	LMP
cis-1,2-Dichloroethylene	<2.00	mg/kg	0.007	0.0233	100		05/02/01	LMP
trans-1,2-Dichloroethylene	<2.00	mg/kg	0.009	0.03	100		05/02/01	LMP
1,2-Dichloropropane	<2.00	mg/kg	0.005	0.0167	100		05/02/01	LMP
1,3-Dichloropropane	<2.00	mg/kg	0.017	0.0566	100		05/02/01	LMP
2,2-Dichloropropane	<2.00	mg/kg	0.012	0.04	100	CSL LCL DUP	05/02/01	LMP
Ethylbenzene	4.47	mg/kg	0.007	0.0233	100		05/02/01	LMP
Hexachlorobutadiene	<2.00	mg/kg	0.008	0.0266	100	DUP	05/02/01	LMP
Isopropylbenzene	<2.00	mg/kg	0.006	0.02	100		05/02/01	LMP
p-Isopropyltoluene	<2.00	mg/kg	0.006	0.02	100		05/02/01	LMP
Methyl t-Butyl Ether(MTBE)	<2.00	mg/kg	0.018	0.0599	100		05/02/01	LMP
Methylene Chloride	<2.00	mg/kg	0.005	0.0167	100	CSL LCL DUP	05/02/01	LMP
Naphthalene	<2.00	mg/kg	0.018	0.0599	100		05/02/01	LMP

All results calculated on a dry weight basis.

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STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.4
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P1-SL010423 Matrix: SOIL Sample Date/Time: 04/23/01 14:50 Lab No. 069106

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
n-Propylbenzene	<2.00	mg/kg	0.004	0.0133	100		05/02/01	LMP
Tetrachloroethylene	<2.00	mg/kg	0.005	0.0167	100		05/02/01	LMP
1,1,2,2-Tetrachloroethane	<2.00	mg/kg	0.008	0.0266	100	DUP	05/02/01	LMP
Toluene	<2.00	mg/kg	0.008	0.0266	100		05/02/01	LMP
1,2,3-Trichlorobenzene	<2.00	mg/kg	0.015	0.05	100		05/02/01	LMP
1,2,4-Trichlorobenzene	<2.00	mg/kg	0.013	0.0433	100		05/02/01	LMP
1,1,1-Trichloroethane	<2.00	mg/kg	0.005	0.0167	100		05/02/01	LMP
1,1,2-Trichloroethane	<2.00	mg/kg	0.004	0.0133	100		05/02/01	LMP
Trichloroethylene	<2.00	mg/kg	0.005	0.0167	100		05/02/01	LMP
Trichlorofluoromethane	<2.00	mg/kg	0.007	0.0233	100	CSL	05/02/01	LMP
1,2,4-Trimethylbenzene	19.2	mg/kg	0.007	0.0233	100		05/02/01	LMP
1,3,5-Trimethylbenzene	16.0	mg/kg	0.005	0.0167	100		05/02/01	LMP
Vinyl Chloride	<2.00	mg/kg	0.009	0.03	100	CSH CSL XXX	05/02/01	LMP
m- & p-Xylene	19.9	mg/kg	0.008	0.0266	100		05/02/01	LMP
o-Xylene	4.08	mg/kg	0.005	0.0167	100		05/02/01	LMP
Bromochloromethane	<2.00	mg/kg	0.014	0.0466	100		05/02/01	LMP
Bromoform	<2.00	mg/kg	0.011	0.0366	100		05/02/01	LMP
Bromomethane	<2.00	mg/kg	0.012	0.04	100		05/02/01	LMP
Dibromomethane	<2.00	mg/kg	0.01	0.0333	100		05/02/01	LMP
1,1-Dichloropropene	<2.00	mg/kg	0.004	0.0133	100		05/02/01	LMP
trans-1,3-dichloroprop(yl)e	<2.00	mg/kg	0.006	0.02	100		05/02/01	LMP
Styrene	<2.00	mg/kg	0.004	0.0133	100		05/02/01	LMP
1,1,1,2-Tetrachloroethane	<2.00	mg/kg	0.011	0.0366	100		05/02/01	LMP
1,2,3-Trichloropropane	<2.00	mg/kg	0.011	0.0366	100		05/02/01	LMP
EPA 8082								
PCB-1016	<98.8	mg/kg	0.0013	0.0043	50000		05/13/01	CKV
PCB-1221	<198.	mg/kg	0.0026	0.0087	50000		05/13/01	CKV
PCB-1232	<342.	mg/kg	0.0045	0.015	50000		05/13/01	CKV
PCB-1242	<76.0	mg/kg	0.0010	0.0033	50000		05/13/01	CKV
PCB-1248	<236.	mg/kg	0.0031	0.010	50000		05/13/01	CKV
PCB-1254	<380.	mg/kg	0.0050	0.017	50000		05/13/01	CKV
PCB-1260	<106.	mg/kg	0.0014	0.0047	50000	CSH LCH	05/13/01	CKV
PCB Soil/Solid Extraction	COMP		-	-	-		04/26/01	CKV
EPA 8310								
Acenaphthene	<2.36	mg/kg	0.0062	0.0206	250	DUP	05/03/01	GLS
Acenaphthylene	<1.60	mg/kg	0.0042	0.014	250	DUP	05/03/01	GLS
Anthracene	<1.10	mg/kg	0.0029	0.00966	250		05/03/01	GLS
Benzo(a)Anthracene	11.7	mg/kg	0.0025	0.00833	250		05/03/01	GLS
Benzo(a)Pyrene	<0.532	mg/kg	0.0023	0.00766	250		05/03/01	GLS
Benzo(b)Fluoranthene	1.64	mg/kg	0.0011	0.00366	250		05/03/01	GLS
Benzo(k)Fluoranthene	1.38	mg/kg	0.0012	0.004	250		05/03/01	GLS
Benzo(ghi)Perylene	2.29	mg/kg	0.001	0.00333	250		05/03/01	GLS
Chrysene	5.29	mg/kg	0.002	0.00666	250		05/03/01	GLS
Dibenzo(a,h)Anthracene	0.967	mg/kg	0.0014	0.00466	250		05/03/01	GLS
Fluoranthene	2.77	mg/kg	0.0026	0.00866	250		05/03/01	GLS
Fluorene	3.47	mg/kg	0.0035	0.0117	250	DUP	05/03/01	GLS
Indeno(1,2,3-cd)Pyrene	2.42	mg/kg	0.0017	0.00566	250		05/03/01	GLS
1-Methyl Naphthalene	19.3	mg/kg	0.0029	0.00966	250	DUP	05/03/01	GLS
2-Methyl Naphthalene	21.9	mg/kg	0.0023	0.00766	250	DUP	05/03/01	GLS
Naphthalene	7.90	mg/kg	0.0039	0.013	250		05/03/01	GLS
Phenanthrene	17.0	mg/kg	0.0016	0.00533	250		05/03/01	GLS
Pyrene	8.80	mg/kg	0.0031	0.0103	250		05/03/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		04/26/01	CKV
MOSA21-2								
Total Solids	65.8	%	0.33	1.1	-		04/27/01	LMV

All results calculated on a dry weight basis.

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

a VIVENDI water company

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301 WEST MILITARY ROAD
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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.5
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P3W010423 Matrix: WSTWTR Sample Date/Time: 04/23/01 16:30 Lab No. 069107

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 245.1								
Total Mercury	1.10	µg/l	0.2	0.666	1		05/01/01	JCH
EPA 6010								
Total Antimony	<80.0	µg/l	50.0	167.	4		05/03/01	BMS
Total Arsenic	29.0	µg/l	7.0	23.3	2	J	05/02/01	BMS
Total Barium	3810.	µg/l	2.0	6.7	2		05/02/01	BMS
Total Cadmium	182.	µg/l	1.0	3.3	2		05/02/01	BMS
Total Chromium	3640.	µg/l	1.0	3.3	2		05/02/01	BMS
Total Copper	7450.	µg/l	4.0	13.3	2		05/02/01	BMS
Total Lead	3910.	µg/l	10.0	33.3	2		05/02/01	BMS
Total Nickel	1300.	µg/l	3.0	9.9	2		05/02/01	BMS
Total Selenium	33.	µg/l	10.0	33.3	2	J	05/02/01	BMS
Total Silver	34.	µg/l	3.0	9.9	2		05/02/01	BMS
EPA 8021								
Benzene	<3.00	µg/l	0.15	0.5	20	DUP	05/05/01	LMP
Bromobenzene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
Bromochloromethane	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
Bromodichloromethane	<2.60	µg/l	0.13	0.433	20		05/05/01	LMP
Bromoform	<2.20	µg/l	0.11	0.366	20		05/05/01	LMP
Bromomethane	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
n-Butylbenzene	13.1	µg/l	0.15	0.5	20		05/05/01	LMP
sec-Butylbenzene	8.40	µg/l	0.15	0.5	20		05/05/01	LMP
tert-Butylbenzene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
Carbon Tetrachloride	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
Chlorobenzene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
Dibromochloromethane	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
Chloroethane	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
Chloroform	<2.80	µg/l	0.14	0.466	20		05/05/01	LMP
Chloromethane	<3.00	µg/l	0.15	0.5	20	CSL DUP	05/05/01	LMP
2-Chlorotoluene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
4-Chlorotoluene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
Dibromochloropropane(DBCP)	<5.00	µg/l	0.25	0.833	20		05/05/01	LMP
1,2-Dibromoethane(EDB)	<2.40	µg/l	0.12	0.4	20		05/05/01	LMP
Dibromomethane	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
1,2-Dichlorobenzene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
1,3-Dichlorobenzene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
1,4-Dichlorobenzene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
Dichlorodifluoromethane	<5.00	µg/l	0.25	0.833	20	CSL S1L	05/05/01	LMP
1,1-Dichloroethane	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
1,2-Dichloroethane	<3.00	µg/l	0.15	0.5	20	CSH	05/05/01	LMP
1,1-Dichloroeth(yl)ene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
trans-1,2-Dichloroethylene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
1,2-Dichloropropane	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
1,3-Dichloropropane	<4.00	µg/l	0.2	0.666	20	CSL	05/05/01	LMP
2,2-Dichloropropane	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
1,1-Dichloroprop(yl)ene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<2.60	µg/l	0.13	0.433	20		05/05/01	LMP
Ethylbenzene	80.0	µg/l	0.5	1.67	20		05/05/01	LMP
Hexachlorobutadiene	<20.0	µg/l	1.0	3.33	20	S1L S2L	05/05/01	LMP
Isopropylbenzene	13.9	µg/l	0.15	0.5	20		05/05/01	LMP

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11425 W. Lake Rark Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.8
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P4-SL010423 Matrix: SOIL Sample Date/Time: 04/23/01 15:25 Lab No. 069108

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
n-Propylbenzene	5.40	mg/kg	0.004	0.0133	100	SL	05/12/01	LMP
Tetrachloroethylene	3.38	mg/kg	0.005	0.0167	100		05/12/01	LMP
1,1,2,2-Tetrachloroethane	<2.00	mg/kg	0.008	0.0266	100		05/12/01	LMP
Toluene	<2.00	mg/kg	0.008	0.0266	100	SL	05/12/01	LMP
1,2,3-Trichlorobenzene	<2.00	mg/kg	0.015	0.05	100		05/12/01	LMP
1,2,4-Trichlorobenzene	<2.00	mg/kg	0.013	0.0433	100		05/12/01	LMP
1,1,1-Trichloroethane	<2.00	mg/kg	0.005	0.0167	100		05/12/01	LMP
1,1,2-Trichloroethane	<2.00	mg/kg	0.004	0.0133	100		05/12/01	LMP
Trichloroethylene	<2.00	mg/kg	0.005	0.0167	100		05/12/01	LMP
Trichlorofluoromethane	<2.00	mg/kg	0.007	0.0233	100		05/12/01	LMP
1,2,4-Trimethylbenzene	24.6	mg/kg	0.007	0.0233	100	SL	05/12/01	LMP
1,3,5-Trimethylbenzene	22.0	mg/kg	0.005	0.0167	100	SL	05/12/01	LMP
Vinyl Chloride	<2.00	mg/kg	0.009	0.03	100	CSL LCL	05/12/01	LMP
m- & p-Xylene	4.88	mg/kg	0.008	0.0266	100	SL	05/12/01	LMP
o-Xylene	<2.00	mg/kg	0.005	0.0167	100	SL	05/12/01	LMP
Bromochloromethane	<2.00	mg/kg	0.014	0.0466	100	CSL LCL	05/12/01	LMP
Bromoform	<2.00	mg/kg	0.011	0.0366	100		05/12/01	LMP
Bromomethane	<2.00	mg/kg	0.012	0.04	100	CSL LCL	05/12/01	LMP
Dibromomethane	<2.00	mg/kg	0.01	0.0333	100		05/12/01	LMP
1,1-Dichloropropene	<2.00	mg/kg	0.004	0.0133	100		05/12/01	LMP
trans-1,3-dichloroprop(yl)e	<2.00	mg/kg	0.006	0.02	100		05/12/01	LMP
Styrene	<2.00	mg/kg	0.004	0.0133	100		05/12/01	LMP
1,1,1,2-Tetrachloroethane	<2.00	mg/kg	0.011	0.0366	100		05/12/01	LMP
1,2,3-Trichloropropane	<2.00	mg/kg	0.011	0.0366	100		05/12/01	LMP
EPA 8082								
PCB-1016	<0.092	mg/kg	0.0013	0.0043	50		05/13/01	CKV
PCB-1221	<0.184	mg/kg	0.0026	0.0087	50		05/13/01	CKV
PCB-1232	<0.319	mg/kg	0.0045	0.015	50		05/13/01	CKV
PCB-1242	<0.071	mg/kg	0.0010	0.0033	50		05/13/01	CKV
PCB-1248	<0.220	mg/kg	0.0031	0.010	50		05/13/01	CKV
PCB-1254	<0.355	mg/kg	0.0050	0.017	50		05/13/01	CKV
PCB-1260	<0.099	mg/kg	0.0014	0.0047	50	CSH LCH	05/13/01	CKV
PCB Soil/Solid Extraction	COMP		-	-	-		04/26/01	CKV
EPA 8310								
Acenaphthene	<2.20	mg/kg	0.0062	0.0206	250	DUP	05/03/01	GLS
Acenaphthylene	<1.49	mg/kg	0.0042	0.014	250	DUP	05/03/01	GLS
Anthracene	<1.03	mg/kg	0.0029	0.00966	250		05/03/01	GLS
Benzo(a)Anthracene	2.18	mg/kg	0.0025	0.00833	250		05/03/01	GLS
Benzo(a)Pyrene	2.85	mg/kg	0.0023	0.00766	250		05/03/01	GLS
Benzo(b)Fluoranthene	3.59	mg/kg	0.0011	0.00366	250		05/03/01	GLS
Benzo(k)Fluoranthene	1.69	mg/kg	0.0012	0.004	250		05/03/01	GLS
Benzo(ghi)Perylene	3.19	mg/kg	0.001	0.00333	250		05/03/01	GLS
Chrysene	1.16	mg/kg	0.002	0.00666	250		05/03/01	GLS
Dibenzo(a,h)Anthracene	<0.496	mg/kg	0.0014	0.00466	250		05/03/01	GLS
Fluoranthene	8.50	mg/kg	0.0026	0.00866	250		05/03/01	GLS
Fluorene	<1.24	mg/kg	0.0035	0.0117	250	DUP	05/03/01	GLS
Indeno(1,2,3-cd)Pyrene	0.63	mg/kg	0.0017	0.00566	250		05/03/01	GLS
1-Methyl Naphthalene	<1.03	mg/kg	0.0029	0.00966	250	DUP	05/03/01	GLS
2-Methyl Naphthalene	2.68	mg/kg	0.0023	0.00766	250	DUP	05/03/01	GLS
Naphthalene	2.52	mg/kg	0.0039	0.013	250		05/03/01	GLS
Phenanthrene	2.26	mg/kg	0.0016	0.00533	250		05/03/01	GLS
Pyrene	8.21	mg/kg	0.0031	0.0103	250		05/03/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		04/26/01	CKV
MOSA21-2								
Total Solids	70.5	%	0.33	1.1	-		04/27/01	LMV

All results calculated on a dry weight basis.

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.7
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P4-SL010423 Matrix: SOIL Sample Date/Time: 04/23/01 15:25 Lab No. 069108

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Arsenic	7.08	mg/kg	0.23	0.766	1		05/02/01	BMS
Total Barium	882.	mg/kg	0.07	0.233	10		05/02/01	BMS
Total Cadmium	106.	mg/kg	0.03	0.0999	1		05/02/01	BMS
Total Chromium	966.	mg/kg	0.033	0.11	10		05/02/01	BMS
Total Copper	13,500.	mg/kg	0.13	0.433	100		05/02/01	BMS
Total Lead	1,790.	mg/kg	0.33	1.1	10		05/02/01	BMS
Total Nickel	2,010.	mg/kg	0.1	0.333	10		05/02/01	BMS
Total Selenium	16.0	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Silver	7.46	mg/kg	0.1	0.333	1	LCL	05/02/01	BMS
EPA 7041								
Total Antimony	20.9	mg/kg	0.04	0.133	40		05/10/01	DJB
EPA 7471								
Total Mercury	0.709	mg/kg	0.04	0.133	1	S2H DUP	05/01/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<2.00	mg/kg	0.004	0.0133	100	SL	05/12/01	LMP
Bromobenzene	<2.00	mg/kg	0.008	0.0266	100		05/12/01	LMP
Bromodichloromethane	<2.00	mg/kg	0.005	0.0167	100		05/12/01	LMP
n-Butylbenzene	<2.00	mg/kg	0.005	0.0167	100	SL	05/12/01	LMP
sec-Butylbenzene	<2.00	mg/kg	0.004	0.0133	100	SL	05/12/01	LMP
tert-Butylbenzene	<2.00	mg/kg	0.003	0.00999	100	SL	05/12/01	LMP
Carbon Tetrachloride	<2.00	mg/kg	0.006	0.02	100		05/12/01	LMP
Chlorobenzene	<2.00	mg/kg	0.004	0.0133	100	SL	05/12/01	LMP
Chlorodibromomethane	<2.00	mg/kg	0.004	0.0133	100		05/12/01	LMP
Chloroethane	<2.00	mg/kg	0.012	0.04	100	CSL LCL	05/12/01	LMP
Chloroform	<2.00	mg/kg	0.016	0.0533	100		05/12/01	LMP
Chloromethane	<2.00	mg/kg	0.011	0.0366	100	CSL LCL	05/12/01	LMP
2-Chlorotoluene	<2.00	mg/kg	0.012	0.04	100		05/12/01	LMP
4-Chlorotoluene	<2.00	mg/kg	0.014	0.0466	100		05/12/01	LMP
1,2-Dibromo-3-chloropropane	<2.00	mg/kg	0.019	0.0633	100		05/12/01	LMP
1,2-Dibromoethane	<2.00	mg/kg	0.006	0.02	100		05/12/01	LMP
1,2-Dichlorobenzene	<2.00	mg/kg	0.007	0.0233	100		05/12/01	LMP
1,3-Dichlorobenzene	<2.00	mg/kg	0.011	0.0366	100		05/12/01	LMP
1,4-Dichlorobenzene	<2.00	mg/kg	0.013	0.0433	100		05/12/01	LMP
Dichlorodifluoromethane	<2.00	mg/kg	0.017	0.0566	100	LCL	05/12/01	LMP
1,1-Dichloroethane	<2.00	mg/kg	0.006	0.02	100		05/12/01	LMP
1,2-Dichloroethane	<2.00	mg/kg	0.004	0.0133	100		05/12/01	LMP
1,1-Dichloroethylene	<2.00	mg/kg	0.007	0.0233	100		05/12/01	LMP
cis-1,2-Dichloroethylene	<2.00	mg/kg	0.007	0.0233	100		05/12/01	LMP
trans-1,2-Dichloroethylene	<2.00	mg/kg	0.009	0.03	100		05/12/01	LMP
1,2-Dichloropropane	<2.00	mg/kg	0.005	0.0167	100		05/12/01	LMP
1,3-Dichloropropane	<2.00	mg/kg	0.017	0.0566	100		05/12/01	LMP
2,2-Dichloropropane	<2.00	mg/kg	0.012	0.04	100	CSL LCL DUP	05/12/01	LMP
Ethylbenzene	<2.00	mg/kg	0.007	0.0233	100	SL	05/12/01	LMP
Hexachlorobutadiene	<2.00	mg/kg	0.008	0.0266	100		05/12/01	LMP
Isopropylbenzene	<2.00	mg/kg	0.006	0.02	100	SL	05/12/01	LMP
p-Isopropyltoluene	<2.00	mg/kg	0.006	0.02	100	SL	05/12/01	LMP
Methyl t-Butyl Ether(MTBE)	<2.00	mg/kg	0.018	0.0599	100	SL	05/12/01	LMP
Methylene Chloride	<2.00	mg/kg	0.005	0.0167	100		05/12/01	LMP
Naphthalene	3.95	mg/kg	0.018	0.0599	100	SL	05/12/01	LMP

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7225
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.6
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P3W010423 Matrix: WSTWTR Sample Date/Time: 04/23/01 16:30 Lab No. 069107

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
p-Isopropyltoluene	<4.00	µg/l	0.2	0.666	20		05/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<6.00	µg/l	0.3	0.999	20		05/05/01	LMP
Methylene Chloride	<7.80	µg/l	0.39	1.3	20	CSH	05/05/01	LMP
Naphthalene	21.3	µg/l	0.8	2.66	20		05/05/01	LMP
n-Propylbenzene	26.9	µg/l	0.15	0.5	20		05/05/01	LMP
Styrene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
Tetrachloroeth(yl)ene	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
1,1,1,2-Tetrachloroethane	<3.00	µg/l	0.15	0.5	20	CSL	05/05/01	LMP
1,1,2,2-Tetrachloroethane	<2.60	µg/l	0.13	0.433	20		05/05/01	LMP
Toluene	18.8	µg/l	0.4	1.33	20		05/05/01	LMP
1,2,3-Trichlorobenzene	<10.0	µg/l	0.5	1.67	20		05/05/01	LMP
1,2,4-Trichlorobenzene	<10.0	µg/l	0.5	1.67	20		05/05/01	LMP
1,1,1-Trichloroethane	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
1,1,2-Trichloroethane	<2.80	µg/l	0.14	0.466	20		05/05/01	LMP
Trichloroeth(yl)ene	<8.00	µg/l	0.4	1.33	20		05/05/01	LMP
Trichlorofluoromethane	<3.00	µg/l	0.15	0.5	20		05/05/01	LMP
1,2,3-Trichloropropane	<6.00	µg/l	0.3	0.999	20		05/05/01	LMP
1,2,4-Trimethylbenzene	315.	µg/l	0.4	1.33	20		05/05/01	LMP
1,3,5-Trimethylbenzene	131.	µg/l	0.15	0.5	20		05/05/01	LMP
Vinyl Chloride	<2.20	µg/l	0.11	0.366	20	DUP	05/05/01	LMP
m- & p-Xylene	589.	µg/l	0.4	1.33	20		05/05/01	LMP
o-Xylene	193.	µg/l	0.15	0.5	20	S1H S2H	05/05/01	LMP
EPA 8082								
PCB-1016	<5.40	µg/l	0.054	0.18	100		05/12/01	CKV
PCB-1221	<5.40	µg/l	0.054	0.18	100		05/12/01	CKV
PCB-1232	<5.80	µg/l	0.058	0.193	100		05/12/01	CKV
PCB-1242	<3.40	µg/l	0.034	0.113	100		05/12/01	CKV
PCB-1248	<6.00	µg/l	0.06	0.2	100		05/12/01	CKV
PCB-1254	<5.40	µg/l	0.054	0.18	100		05/12/01	CKV
PCB-1260	<6.00	µg/l	0.06	0.2	100		05/12/01	CKV
PCB Water Extraction	COMP		-	-	-		04/26/01	CKV
EPA 8310								
Acenaphthene	<1.00	µg/l	0.1	0.333	10	SL	05/05/01	GLS
Acenaphthylene	<1.50	µg/l	0.15	0.5	10	SL	05/05/01	GLS
Anthracene	<0.9	µg/l	0.09	0.3	10	SL	05/05/01	GLS
Benzo(a)Anthracene	<0.3	µg/l	0.03	0.0999	10	SL	05/05/01	GLS
Benzo(a)Pyrene	<0.2	µg/l	0.02	0.0666	10	SL	05/05/01	GLS
Benzo(b)Fluoranthene	<0.2	µg/l	0.02	0.0666	10	SL	05/05/01	GLS
Benzo(k)Fluoranthene	<0.3	µg/l	0.03	0.0999	10	SL	05/05/01	GLS
Benzo(ghi)Perylene	<0.9	µg/l	0.09	0.3	10	SL	05/05/01	GLS
Chrysene	<0.2	µg/l	0.02	0.0666	10	SL	05/05/01	GLS
Dibenzo(a,h)Anthracene	<0.6	µg/l	0.06	0.2	10	SL	05/05/01	GLS
Fluoranthene	<0.3	µg/l	0.03	0.0999	10	SL	05/05/01	GLS
Fluorene	0.753	µg/l	0.11	0.366	10	SL	05/05/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.6	µg/l	0.06	0.2	10	SL	05/05/01	GLS
1-Methyl Naphthalene	1.72	µg/l	0.13	0.433	10	SL	05/05/01	GLS
2-Methyl Naphthalene	7.17	µg/l	0.12	0.4	10	SL	05/05/01	GLS
Naphthalene	12.6	µg/l	0.06	0.2	10	SL	05/05/01	GLS
Phenanthrene	<1.10	µg/l	0.11	0.366	10	SL	05/05/01	GLS
Pyrene	<1.00	µg/l	0.1	0.333	10	SL	05/05/01	GLS
Liquid Organic Extraction	COMP		-	-	-		04/30/01	CKV

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.9
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P5-SL010423 Matrix: SOIL Sample Date/Time: 04/23/01 15:15 Lab No. 069109

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Arsenic	9.86	mg/kg	0.23	0.766	1		05/02/01	BMS
Total Barium	253.	mg/kg	0.07	0.233	1		05/02/01	BMS
Total Cadmium	45.5	mg/kg	0.03	0.0999	1		05/02/01	BMS
Total Chromium	1,240.	mg/kg	0.033	0.11	10		05/02/01	BMS
Total Copper	29,600.	mg/kg	0.13	0.433	100		05/02/01	BMS
Total Lead	1,860.	mg/kg	0.33	1.1	10		05/02/01	BMS
Total Nickel	4,680.	mg/kg	0.1	0.333	100		05/02/01	BMS
Total Selenium	7.83	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Silver	33.8	mg/kg	0.1	0.333	1	LCL	05/02/01	BMS
EPA 7041								
Total Antimony	36.9	mg/kg	0.04	0.133	40		05/10/01	DJB
EPA 7471								
Total Mercury	0.504	mg/kg	0.04	0.133	1		05/01/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.4	mg/kg	0.004	0.0133	20		05/11/01	LMP
Bromobenzene	<0.4	mg/kg	0.008	0.0266	20		05/11/01	LMP
Bromodichloromethane	<0.4	mg/kg	0.005	0.0167	20		05/11/01	LMP
n-Butylbenzene	5.01	mg/kg	0.005	0.0167	20		05/11/01	LMP
sec-Butylbenzene	<0.4	mg/kg	0.004	0.0133	20		05/11/01	LMP
tert-Butylbenzene	<0.4	mg/kg	0.003	0.00999	20		05/11/01	LMP
Carbon Tetrachloride	<0.4	mg/kg	0.006	0.02	20		05/11/01	LMP
Chlorobenzene	<0.4	mg/kg	0.004	0.0133	20		05/11/01	LMP
Chlorodibromomethane	<0.4	mg/kg	0.004	0.0133	20		05/11/01	LMP
Chloroethane	<0.4	mg/kg	0.012	0.04	20	CSL LCL DUP	05/11/01	LMP
Chloroform	<0.4	mg/kg	0.016	0.0533	20		05/11/01	LMP
Chloromethane	<0.4	mg/kg	0.011	0.0366	20	CSL LCL	05/11/01	LMP
2-Chlorotoluene	<0.4	mg/kg	0.012	0.04	20		05/11/01	LMP
4-Chlorotoluene	<0.4	mg/kg	0.014	0.0466	20		05/11/01	LMP
1,2-Dibromo-3-chloropropane	<0.4	mg/kg	0.019	0.0633	20		05/11/01	LMP
1,2-Dibromoethane	<0.4	mg/kg	0.006	0.02	20		05/11/01	LMP
1,2-Dichlorobenzene	<0.4	mg/kg	0.007	0.0233	20		05/11/01	LMP
1,3-Dichlorobenzene	<0.4	mg/kg	0.011	0.0366	20		05/11/01	LMP
1,4-Dichlorobenzene	<0.4	mg/kg	0.013	0.0433	20		05/11/01	LMP
Dichlorodifluoromethane	<0.4	mg/kg	0.017	0.0566	20	LCL	05/11/01	LMP
1,1-Dichloroethane	<0.4	mg/kg	0.006	0.02	20		05/11/01	LMP
1,2-Dichloroethane	<0.4	mg/kg	0.004	0.0133	20	DUP	05/11/01	LMP
1,1-Dichloroethylene	<0.4	mg/kg	0.007	0.0233	20		05/11/01	LMP
cis-1,2-Dichloroethylene	<0.4	mg/kg	0.007	0.0233	20		05/11/01	LMP
trans-1,2-Dichloroethylene	<0.4	mg/kg	0.009	0.03	20		05/11/01	LMP
1,2-Dichloropropane	<0.4	mg/kg	0.005	0.0167	20		05/11/01	LMP
1,3-Dichloropropane	<0.4	mg/kg	0.017	0.0566	20		05/11/01	LMP
2,2-Dichloropropane	<0.4	mg/kg	0.012	0.04	20	CSL LCL	05/11/01	LMP
Ethylbenzene	<0.4	mg/kg	0.007	0.0233	20		05/11/01	LMP
Hexachlorobutadiene	<0.4	mg/kg	0.008	0.0266	20		05/11/01	LMP
Isopropylbenzene	<0.4	mg/kg	0.006	0.02	20		05/11/01	LMP
p-Isopropyltoluene	6.28	mg/kg	0.006	0.02	20		05/11/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.4	mg/kg	0.018	0.0599	20		05/11/01	LMP
Methylene Chloride	<0.4	mg/kg	0.005	0.0167	20	LCL	05/11/01	LMP
Naphthalene	1.01	mg/kg	0.018	0.0599	20		05/11/01	LMP

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.10
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P5-SL010423 Matrix: SOIL Sample Date/Time: 04/23/01 15:15 Lab No. 069109

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
n-Propylbenzene	1.09	mg/kg	0.004	0.0133	20		05/11/01	LMP
Tetrachloroethylene	<0.4	mg/kg	0.005	0.0167	20		05/11/01	LMP
1,1,2,2-Tetrachloroethane	<0.4	mg/kg	0.008	0.0266	20		05/11/01	LMP
Toluene	0.984	mg/kg	0.008	0.0266	20		05/11/01	LMP
1,2,3-Trichlorobenzene	<0.4	mg/kg	0.015	0.05	20		05/11/01	LMP
1,2,4-Trichlorobenzene	<0.4	mg/kg	0.013	0.0433	20		05/11/01	LMP
1,1,1-Trichloroethane	<0.4	mg/kg	0.005	0.0167	20		05/11/01	LMP
1,1,2-Trichloroethane	<0.4	mg/kg	0.004	0.0133	20		05/11/01	LMP
Trichloroethylene	<0.4	mg/kg	0.005	0.0167	20		05/11/01	LMP
Trichlorofluoromethane	<0.4	mg/kg	0.007	0.0233	20	CSH	05/11/01	LMP
1,2,4-Trimethylbenzene	4.17	mg/kg	0.007	0.0233	20		05/11/01	LMP
1,3,5-Trimethylbenzene	2.21	mg/kg	0.005	0.0167	20		05/11/01	LMP
Vinyl Chloride	<0.4	mg/kg	0.009	0.03	20	CSL LCL	05/11/01	LMP
m- & p-Xylene	0.6	mg/kg	0.008	0.0266	20		05/11/01	LMP
o-Xylene	<0.4	mg/kg	0.005	0.0167	20		05/11/01	LMP
Bromochloromethane	<0.4	mg/kg	0.014	0.0466	20	CSL LCL	05/11/01	LMP
Bromoform	<0.4	mg/kg	0.011	0.0366	20		05/11/01	LMP
Bromomethane	<0.4	mg/kg	0.012	0.04	20	CSL LCL DUP	05/11/01	LMP
Dibromomethane	<0.4	mg/kg	0.01	0.0333	20		05/11/01	LMP
1,1-Dichloropropene	<0.4	mg/kg	0.004	0.0133	20		05/11/01	LMP
trans-1,3-dichloroprop(yl)e	<0.4	mg/kg	0.006	0.02	20		05/11/01	LMP
Styrene	<0.4	mg/kg	0.004	0.0133	20		05/11/01	LMP
1,1,1,2-Tetrachloroethane	<0.4	mg/kg	0.011	0.0366	20		05/11/01	LMP
1,2,3-Trichloropropane	<0.4	mg/kg	0.011	0.0366	20		05/11/01	LMP
EPA 8082								
PCB-1016	<0.75	mg/kg	0.0013	0.0043	500		05/13/01	CKV
PCB-1221	<1.50	mg/kg	0.0026	0.0087	500		05/13/01	CKV
PCB-1232	<2.59	mg/kg	0.0045	0.015	500		05/13/01	CKV
PCB-1242	<0.58	mg/kg	0.001	0.0033	500		05/13/01	CKV
PCB-1248	<1.78	mg/kg	0.0031	0.010	500		05/13/01	CKV
PCB-1254	<2.88	mg/kg	0.005	0.017	500		05/13/01	CKV
PCB-1260	<0.81	mg/kg	0.0014	0.0047	500	CSH LCH	05/13/01	CKV
PCB Soil/Solid Extraction	COMP		-	-	-		04/26/01	CKV
EPA 8310								
Acenaphthene	<0.713	mg/kg	0.0062	0.0206	100	DUP	05/03/01	GLS
Acenaphthylene	<0.483	mg/kg	0.0042	0.014	100	DUP	05/03/01	GLS
Anthracene	<0.334	mg/kg	0.0029	0.00966	100		05/03/01	GLS
Benzo(a)Anthracene	1.45	mg/kg	0.0025	0.00833	100		05/03/01	GLS
Benzo(a)Pyrene	0.824	mg/kg	0.0023	0.00766	100		05/03/01	GLS
Benzo(b)Fluoranthene	1.14	mg/kg	0.0011	0.00366	100		05/03/01	GLS
Benzo(k)Fluoranthene	0.567	mg/kg	0.0012	0.004	100		05/03/01	GLS
Benzo(ghi)Perylene	1.19	mg/kg	0.001	0.00333	100		05/03/01	GLS
Chrysene	0.644	mg/kg	0.002	0.00666	100		05/03/01	GLS
Dibenzo(a,h)Anthracene	<0.161	mg/kg	0.0014	0.00466	100		05/03/01	GLS
Fluoranthene	2.59	mg/kg	0.0026	0.00866	100		05/03/01	GLS
Fluorene	<0.403	mg/kg	0.0035	0.0117	100	DUP	05/03/01	GLS
Indeno(1,2,3-cd)Pyrene	0.705	mg/kg	0.0017	0.00566	100		05/03/01	GLS
1-Methyl Naphthalene	0.346	mg/kg	0.0029	0.00966	100	DUP	05/03/01	GLS
2-Methyl Naphthalene	0.283	mg/kg	0.0023	0.00766	100	DUP	05/03/01	GLS
Naphthalene	<0.449	mg/kg	0.0039	0.013	100		05/03/01	GLS
Phenanthrene	0.716	mg/kg	0.0016	0.00533	100		05/03/01	GLS
Pyrene	3.29	mg/kg	0.0031	0.0103	100		05/03/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		04/26/01	CKV
MOSA21-2								
Total Solids	86.9	%	0.33	1.1	-		04/27/01	LMV

All results calculated on a dry weight basis.

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.11
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P6-SL010423 Matrix: SOIL Sample Date/Time: 04/23/01 15:40 Lab No. 069110

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Arsenic	11.4	mg/kg	0.23	0.766	1		05/02/01	BMS
Total Barium	217.	mg/kg	0.07	0.233	1		05/02/01	BMS
Total Cadmium	35.0	mg/kg	0.03	0.0999	1		05/02/01	BMS
Total Chromium	1,140.	mg/kg	0.033	0.11	10		05/02/01	BMS
Total Copper	33,700.	mg/kg	0.13	0.433	100		05/02/01	BMS
Total Lead	1,520.	mg/kg	0.33	1.1	10		05/02/01	BMS
Total Nickel	4,980.	mg/kg	0.1	0.333	100		05/02/01	BMS
Total Selenium	4.86	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Silver	27.3	mg/kg	0.1	0.333	1	LCL	05/02/01	BMS
EPA 7041								
Total Antimony	35.8	mg/kg	0.04	0.133	40		05/10/01	DJB
EPA 7471								
Total Mercury	0.358	mg/kg	0.04	0.133	1	SPH DUP	05/01/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/02/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
n-Butylbenzene	1.09	mg/kg	0.005	0.0167	1	DUP	05/02/01	LMP
sec-Butylbenzene	1.24	mg/kg	0.004	0.0133	1		05/02/01	LMP
tert-Butylbenzene	0.529	mg/kg	0.003	0.00999	1		05/02/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL CSH LCL	05/02/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/02/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL DUP LCL	05/02/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/02/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/02/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/02/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/02/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/02/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/02/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL	05/02/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1	CSL	05/02/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1	CSL DUP LCL	05/02/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/02/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/02/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/02/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL DUP LCL	05/02/01	LMP
Ethylbenzene	0.0394	mg/kg	0.007	0.0233	1		05/02/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/02/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
p-Isopropyltoluene	0.693	mg/kg	0.006	0.02	1		05/02/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/02/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL DUP LCL	05/02/01	LMP
Naphthalene	0.132	mg/kg	0.018	0.0599	1		05/02/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
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TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.12
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P6-SL010423 Matrix: SOIL Sample Date/Time: 04/23/01 15:40 Lab No. 069110

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
Tetrachloroethylene	0.122	mg/kg	0.005	0.0167	1		05/02/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1	DUP	05/02/01	LMP
Toluene	0.795	mg/kg	0.008	0.0266	1		05/02/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1	LCH	05/02/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/02/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	CSL	05/02/01	LMP
1,2,4-Trimethylbenzene	0.905	mg/kg	0.007	0.0233	1		05/02/01	LMP
1,3,5-Trimethylbenzene	0.8	mg/kg	0.005	0.0167	1		05/02/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL CSH XXX	05/02/01	LMP
m- & p-Xylene	0.138	mg/kg	0.008	0.0266	1		05/02/01	LMP
o-Xylene	0.0752	mg/kg	0.005	0.0167	1		05/02/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1		05/02/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/02/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1		05/02/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/02/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
Styrene	0.0451	mg/kg	0.004	0.0133	1		05/02/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/02/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/02/01	LMP
EPA 8082								
PCB-1016	<7.76	mg/kg	0.0013	0.0043	5000		05/13/01	CKV
PCB-1221	<15.5	mg/kg	0.0026	0.0087	5000		05/13/01	CKV
PCB-1232	<26.8	mg/kg	0.0045	0.015	5000		05/13/01	CKV
PCB-1242	<5.97	mg/kg	0.001	0.0033	5000		05/13/01	CKV
PCB-1248	<18.5	mg/kg	0.0031	0.010	5000		05/13/01	CKV
PCB-1254	<29.8	mg/kg	0.005	0.017	5000		05/13/01	CKV
PCB-1260	<8.35	mg/kg	0.0014	0.0047	5000	CSH LCH	05/13/01	CKV
PCB Soil/Solid Extraction	COMP		-	-	-		04/26/01	CKV
EPA 8310								
Acenaphthene	<0.074	mg/kg	0.0062	0.0206	10	SL	05/05/01	GLS
Acenaphthylene	<0.0501	mg/kg	0.0042	0.014	10	SL	05/05/01	GLS
Anthracene	0.163	mg/kg	0.0029	0.00966	10	SL	05/05/01	GLS
Benzo(a)Anthracene	<0.0298	mg/kg	0.0025	0.00833	10	SL	05/05/01	GLS
Benzo(a)Pyrene	0.625	mg/kg	0.0023	0.00766	10	SL	05/05/01	GLS
Benzo(b)Fluoranthene	0.809	mg/kg	0.0011	0.00366	10	SL	05/05/01	GLS
Benzo(k)Fluoranthene	0.354	mg/kg	0.0012	0.004	10	SL	05/05/01	GLS
Benzo(ghi)Perylene	0.464	mg/kg	0.001	0.00333	10	SL	05/05/01	GLS
Chrysene	<0.0239	mg/kg	0.002	0.00666	10	SL	05/05/01	GLS
Dibenzo(a,h)Anthracene	0.249	mg/kg	0.0014	0.00466	10	SL	05/05/01	GLS
Fluoranthene	0.893	mg/kg	0.0026	0.00866	10	SL	05/05/01	GLS
Fluorene	0.0943	mg/kg	0.0035	0.0117	10	SL	05/05/01	GLS
Indeno(1,2,3-cd)Pyrene	0.376	mg/kg	0.0017	0.00566	10	SL	05/05/01	GLS
1-Methyl Naphthalene	<0.0346	mg/kg	0.0029	0.00966	10	SL	05/05/01	GLS
2-Methyl Naphthalene	<0.0274	mg/kg	0.0023	0.00766	10	SL	05/05/01	GLS
Naphthalene	<0.0465	mg/kg	0.0039	0.013	10	SL	05/05/01	GLS
Phenanthrene	0.47	mg/kg	0.0016	0.00533	10	SL	05/05/01	GLS
Pyrene	1.65	mg/kg	0.0031	0.0103	10	SL	05/05/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		04/30/01	CKV
MOSA21-2								
Total Solids	83.8	%	0.33	1.1	-		04/27/01	LMV

All results calculated on a dry weight basis.

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.13
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-P7-SL010423 Matrix: SOIL Sample Date/Time: 04/23/01 15:55 Lab No. 069111

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Arsenic	7.94	mg/kg	0.23	0.766	1		05/02/01	BMS
Total Barium	118.	mg/kg	0.07	0.233	1		05/02/01	BMS
Total Cadmium	55.3	mg/kg	0.03	0.0999	1		05/02/01	BMS
Total Chromium	620.	mg/kg	0.033	0.11	10		05/02/01	BMS
Total Copper	39,500.	mg/kg	0.13	0.433	200		05/02/01	BMS
Total Lead	1,270.	mg/kg	0.33	1.1	10		05/02/01	BMS
Total Nickel	979.	mg/kg	0.1	0.333	10		05/02/01	BMS
Total Selenium	43.8	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Silver	9.27	mg/kg	0.1	0.333	1	LCL	05/02/01	BMS
EPA 7041								
Total Antimony	17.9	mg/kg	0.04	0.133	20		05/10/01	DJB
EPA 7471								
Total Mercury	0.25	mg/kg	0.04	0.133	1	SPH DUP	05/01/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.4	mg/kg	0.004	0.0133	20		05/02/01	LMP
Bromobenzene	<0.4	mg/kg	0.008	0.0266	20		05/02/01	LMP
Bromodichloromethane	<0.4	mg/kg	0.005	0.0167	20		05/02/01	LMP
n-Butylbenzene	<0.4	mg/kg	0.005	0.0167	20	DUP	05/02/01	LMP
sec-Butylbenzene	<0.4	mg/kg	0.004	0.0133	20		05/02/01	LMP
tert-Butylbenzene	<0.4	mg/kg	0.003	0.00999	20		05/02/01	LMP
Carbon Tetrachloride	<0.4	mg/kg	0.006	0.02	20		05/02/01	LMP
Chlorobenzene	<0.4	mg/kg	0.004	0.0133	20		05/02/01	LMP
Chlorodibromomethane	<0.4	mg/kg	0.004	0.0133	20		05/02/01	LMP
Chloroethane	<0.4	mg/kg	0.012	0.04	20	CSL CSH LCL	05/02/01	LMP
Chloroform	<0.4	mg/kg	0.016	0.0533	20		05/02/01	LMP
Chloromethane	<0.4	mg/kg	0.011	0.0366	20	CSL DUP LCL	05/02/01	LMP
2-Chlorotoluene	<0.4	mg/kg	0.012	0.04	20		05/02/01	LMP
4-Chlorotoluene	<0.4	mg/kg	0.014	0.0466	20		05/02/01	LMP
1,2-Dibromo-3-chloropropane	<0.4	mg/kg	0.019	0.0633	20		05/02/01	LMP
1,2-Dibromoethane	<0.4	mg/kg	0.006	0.02	20		05/02/01	LMP
1,2-Dichlorobenzene	<0.4	mg/kg	0.007	0.0233	20		05/02/01	LMP
1,3-Dichlorobenzene	<0.4	mg/kg	0.011	0.0366	20		05/02/01	LMP
1,4-Dichlorobenzene	<0.4	mg/kg	0.013	0.0433	20		05/02/01	LMP
Dichlorodifluoromethane	<0.4	mg/kg	0.017	0.0566	20	CSL LCL	05/02/01	LMP
1,1-Dichloroethane	<0.4	mg/kg	0.006	0.02	20		05/02/01	LMP
1,2-Dichloroethane	<0.4	mg/kg	0.004	0.0133	20	CSL	05/02/01	LMP
1,1-Dichloroethylene	<0.4	mg/kg	0.007	0.0233	20	CSL DUP LCL	05/02/01	LMP
cis-1,2-Dichloroethylene	<0.4	mg/kg	0.007	0.0233	20		05/02/01	LMP
trans-1,2-Dichloroethylene	<0.4	mg/kg	0.009	0.03	20		05/02/01	LMP
1,2-Dichloropropane	<0.4	mg/kg	0.005	0.0167	20		05/02/01	LMP
1,3-Dichloropropane	<0.4	mg/kg	0.017	0.0566	20		05/02/01	LMP
2,2-Dichloropropane	<0.4	mg/kg	0.012	0.04	20	CSL DUP LCL	05/02/01	LMP
Ethylbenzene	<0.4	mg/kg	0.007	0.0233	20		05/02/01	LMP
Hexachlorobutadiene	<0.4	mg/kg	0.008	0.0266	20		05/02/01	LMP
Isopropylbenzene	<0.4	mg/kg	0.006	0.02	20		05/02/01	LMP
p-Isopropyltoluene	<0.4	mg/kg	0.006	0.02	20		05/02/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.4	mg/kg	0.018	0.0599	20		05/02/01	LMP
Methylene Chloride	<0.4	mg/kg	0.005	0.0167	20	CSL DUP LCL	05/02/01	LMP
Naphthalene	<0.4	mg/kg	0.018	0.0599	20		05/02/01	LMP

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

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STS Consultants Ltd.
11425 W. Lake Park Dr.
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PROJECT NO.: 586415XB
REPORT NO. : 069106.14
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: **CL-P7-SL010423** Matrix: **SOIL** Sample Date/Time: **04/23/01 15:55** Lab No. **069111**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
n-Propylbenzene	<0.4	mg/kg	0.004	0.0133	20		05/02/01	LMP
Tetrachloroethylene	67.5	mg/kg	0.005	0.0167	250		05/11/01	LMP
1,1,2,2-Tetrachloroethane	<0.4	mg/kg	0.008	0.0266	20	DUP	05/02/01	LMP
Toluene	<0.4	mg/kg	0.008	0.0266	20		05/02/01	LMP
1,2,3-Trichlorobenzene	<0.4	mg/kg	0.015	0.05	20	LCH	05/02/01	LMP
1,2,4-Trichlorobenzene	<0.4	mg/kg	0.013	0.0433	20		05/02/01	LMP
1,1,1-Trichloroethane	<0.4	mg/kg	0.005	0.0167	20		05/02/01	LMP
1,1,2-Trichloroethane	<0.4	mg/kg	0.004	0.0133	20		05/02/01	LMP
Trichloroethylene	<0.4	mg/kg	0.005	0.0167	20		05/02/01	LMP
Trichlorofluoromethane	<0.4	mg/kg	0.007	0.0233	20	CSL	05/02/01	LMP
1,2,4-Trimethylbenzene	<0.4	mg/kg	0.007	0.0233	20		05/02/01	LMP
1,3,5-Trimethylbenzene	<0.4	mg/kg	0.005	0.0167	20		05/02/01	LMP
Vinyl Chloride	<0.4	mg/kg	0.009	0.03	20	CSL CSH XXX	05/02/01	LMP
m- & p-Xylene	<0.4	mg/kg	0.008	0.0266	20		05/02/01	LMP
o-Xylene	<0.4	mg/kg	0.005	0.0167	20		05/02/01	LMP
Bromochloromethane	<0.4	mg/kg	0.014	0.0466	20		05/02/01	LMP
Bromoform	<0.4	mg/kg	0.011	0.0366	20		05/02/01	LMP
Bromomethane	<0.4	mg/kg	0.012	0.04	20		05/02/01	LMP
Dibromomethane	<0.4	mg/kg	0.01	0.0333	20		05/02/01	LMP
1,1-Dichloropropene	<0.4	mg/kg	0.004	0.0133	20		05/02/01	LMP
trans-1,3-dichloroprop(yl)e	<0.4	mg/kg	0.006	0.02	20		05/02/01	LMP
Styrene	<0.4	mg/kg	0.004	0.0133	20		05/02/01	LMP
1,1,1,2-Tetrachloroethane	<0.4	mg/kg	0.011	0.0366	20		05/02/01	LMP
1,2,3-Trichloropropane	<0.4	mg/kg	0.011	0.0366	20		05/02/01	LMP
EPA 8082								
PCB-1016	<7.06	mg/kg	0.0013	0.0043	5000		05/13/01	CKV
PCB-1221	<14.1	mg/kg	0.0026	0.0087	5000		05/13/01	CKV
PCB-1232	<24.4	mg/kg	0.0045	0.015	5000		05/13/01	CKV
PCB-1242	<5.43	mg/kg	0.001	0.0033	5000		05/13/01	CKV
PCB-1248	<16.8	mg/kg	0.0031	0.010	5000		05/13/01	CKV
PCB-1254	<27.1	mg/kg	0.005	0.017	5000		05/13/01	CKV
PCB-1260	<7.60	mg/kg	0.0014	0.0047	5000	CSH LCH	05/13/01	CKV
PCB Soil/Solid Extraction	COMP		-	-	-		04/26/01	CKV
EPA 8310								
Acenaphthene	<6.73	mg/kg	0.0062	0.0206	1000		05/05/01	GLS
Acenaphthylene	<4.56	mg/kg	0.0042	0.014	1000		05/05/01	GLS
Anthracene	11.3	mg/kg	0.0029	0.00966	1000		05/05/01	GLS
Benzo(a)Anthracene	5.65	mg/kg	0.0025	0.00833	1000		05/05/01	GLS
Benzo(a)Pyrene	2.91	mg/kg	0.0023	0.00766	1000		05/05/01	GLS
Benzo(b)Fluoranthene	5.42	mg/kg	0.0011	0.00366	1000		05/05/01	GLS
Benzo(k)Fluoranthene	2.26	mg/kg	0.0012	0.004	1000		05/05/01	GLS
Benzo(ghi)Perylene	9.77	mg/kg	0.001	0.00333	1000		05/05/01	GLS
Chrysene	6.13	mg/kg	0.002	0.00666	1000		05/05/01	GLS
Dibenzo(a,h)Anthracene	<1.52	mg/kg	0.0014	0.00466	1000		05/05/01	GLS
Fluoranthene	54.1	mg/kg	0.0026	0.00866	1000		05/05/01	GLS
Fluorene	4.43	mg/kg	0.0035	0.0117	1000		05/05/01	GLS
Indeno(1,2,3-cd)Pyrene	1.90	mg/kg	0.0017	0.00566	1000		05/05/01	GLS
1-Methyl Naphthalene	17.6	mg/kg	0.0029	0.00966	1000		05/05/01	GLS
2-Methyl Naphthalene	<2.50	mg/kg	0.0023	0.00766	1000		05/05/01	GLS
Naphthalene	<4.23	mg/kg	0.0039	0.013	1000		05/05/01	GLS
Phenanthrene	63.3	mg/kg	0.0016	0.00533	1000		05/05/01	GLS
Pyrene	29.4	mg/kg	0.0031	0.0103	1000		05/05/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		04/30/01	CKV
MOSA21-2								
Total Solids	92.1	%	0.33	1.1	-		04/27/01	LMV

All results calculated on a dry weight basis.
All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.15
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: MEOH BLANK-USF Matrix: SOIL Sample Date/Time: 04/23/01 Lab No. 069112

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.025	mg/l	0.004	0.0133	1		05/02/01	LMP
Bromobenzene	<0.025	mg/l	0.008	0.0266	1		05/02/01	LMP
Bromodichloromethane	<0.025	mg/l	0.005	0.0167	1		05/02/01	LMP
n-Butylbenzene	<0.025	mg/l	0.005	0.0167	1	DUP	05/02/01	LMP
sec-Butylbenzene	<0.025	mg/l	0.004	0.0133	1		05/02/01	LMP
tert-Butylbenzene	<0.025	mg/l	0.003	0.00999	1		05/02/01	LMP
Carbon Tetrachloride	<0.025	mg/l	0.006	0.02	1		05/02/01	LMP
Chlorobenzene	<0.025	mg/l	0.004	0.0133	1		05/02/01	LMP
Chlorodibromomethane	<0.025	mg/l	0.004	0.0133	1		05/02/01	LMP
Chloroethane	<0.025	mg/l	0.012	0.04	1	CSH CSL LCL	05/02/01	LMP
Chloroform	<0.025	mg/l	0.016	0.0533	1		05/02/01	LMP
Chloromethane	<0.025	mg/l	0.011	0.0366	1	CSL LCL DUP	05/02/01	LMP
2-Chlorotoluene	<0.025	mg/l	0.012	0.04	1		05/02/01	LMP
4-Chlorotoluene	<0.025	mg/l	0.014	0.0466	1		05/02/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/l	0.019	0.0633	1		05/02/01	LMP
1,2-Dibromoethane	<0.025	mg/l	0.006	0.02	1		05/02/01	LMP
1,2-Dichlorobenzene	<0.025	mg/l	0.007	0.0233	1		05/02/01	LMP
1,3-Dichlorobenzene	<0.025	mg/l	0.011	0.0366	1		05/02/01	LMP
1,4-Dichlorobenzene	<0.025	mg/l	0.013	0.0433	1		05/02/01	LMP
Dichlorodifluoromethane	<0.025	mg/l	0.017	0.0566	1	CSL LCL	05/02/01	LMP
1,1-Dichloroethane	<0.025	mg/l	0.006	0.02	1		05/02/01	LMP
1,2-Dichloroethane	<0.025	mg/l	0.004	0.0133	1	CSL	05/02/01	LMP
1,1-Dichloroethylene	<0.025	mg/l	0.007	0.0233	1	CSL LCL DUP	05/02/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/l	0.007	0.0233	1		05/02/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/l	0.009	0.03	1		05/02/01	LMP
1,2-Dichloropropane	<0.025	mg/l	0.005	0.0167	1		05/02/01	LMP
1,3-Dichloropropane	<0.025	mg/l	0.017	0.0566	1		05/02/01	LMP
2,2-Dichloropropane	<0.025	mg/l	0.012	0.04	1	CSL LCL DUP	05/02/01	LMP
Ethylbenzene	<0.025	mg/l	0.007	0.0233	1		05/02/01	LMP
Hexachlorobutadiene	<0.025	mg/l	0.008	0.0266	1	DUP	05/02/01	LMP
Isopropylbenzene	<0.025	mg/l	0.006	0.02	1		05/02/01	LMP
p-Isopropyltoluene	<0.025	mg/l	0.006	0.02	1		05/02/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/l	0.018	0.0599	1		05/02/01	LMP
Methylene Chloride	<0.025	mg/l	0.005	0.0167	1	CSL LCL DUP	05/02/01	LMP
Naphthalene	<0.025	mg/l	0.018	0.0599	1		05/02/01	LMP
n-Propylbenzene	<0.025	mg/l	0.004	0.0133	1		05/02/01	LMP
Tetrachloroethylene	<0.025	mg/l	0.005	0.0167	1		05/02/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/l	0.008	0.0266	1	DUP	05/02/01	LMP
Toluene	<0.025	mg/l	0.008	0.0266	1		05/02/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/l	0.015	0.05	1		05/02/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/l	0.013	0.0433	1		05/02/01	LMP
1,1,1-Trichloroethane	<0.025	mg/l	0.005	0.0167	1		05/02/01	LMP
1,1,2-Trichloroethane	<0.025	mg/l	0.004	0.0133	1		05/02/01	LMP
Trichloroethylene	<0.025	mg/l	0.005	0.0167	1		05/02/01	LMP
Trichlorofluoromethane	<0.025	mg/l	0.007	0.0233	1	CSL	05/02/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/l	0.007	0.0233	1		05/02/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/l	0.005	0.0167	1		05/02/01	LMP
Vinyl Chloride	<0.025	mg/l	0.009	0.03	1	CSH CSL XXX	05/02/01	LMP
m- & p-Xylene	<0.025	mg/l	0.008	0.0266	1		05/02/01	LMP
o-Xylene	<0.025	mg/l	0.005	0.0167	1		05/02/01	LMP
Bromochloromethane	<0.025	mg/l	0.014	0.0466	1		05/02/01	LMP
Bromoform	<0.025	mg/l	0.011	0.0366	1		05/02/01	LMP

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

Attn: Lanette Altenbach

PROJECT NO.: 586415XB
REPORT NO. : 069106.16
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Sample ID: **MEOH BLANK-USF** Matrix: **SOIL** Sample Date/Time: **04/23/01** Lab No. **069112**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Bromomethane	<0.025	mg/l	0.012	0.04	1		05/02/01	LMP
Dibromomethane	<0.025	mg/l	0.01	0.0333	1		05/02/01	LMP
1,1-Dichloropropene	<0.025	mg/l	0.004	0.0133	1		05/02/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/l	0.006	0.02	1		05/02/01	LMP
Styrene	<0.025	mg/l	0.004	0.0133	1		05/02/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/l	0.011	0.0366	1		05/02/01	LMP
1,2,3-Trichloropropane	<0.025	mg/l	0.011	0.0366	1		05/02/01	LMP

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11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.17
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-TP1-S03S Matrix: SOIL Sample Date/Time: 04/23/01 09:00 Lab No. 069113

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Arsenic	1.86	mg/kg	0.23	0.766	1		05/02/01	BMS
Total Barium	9.43	mg/kg	0.07	0.233	1		05/02/01	BMS
Total Cadmium	<0.0407	mg/kg	0.03	0.0999	1		05/02/01	BMS
Total Chromium	11.7	mg/kg	0.033	0.11	1		05/02/01	BMS
Total Copper	2.79	mg/kg	0.13	0.433	1		05/02/01	BMS
Total Lead	2.95	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Nickel	5.91	mg/kg	0.1	0.333	1		05/02/01	BMS
Total Selenium	<0.407	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Silver	0.136	mg/kg	0.1	0.333	1	LCL	05/02/01	BMS
EPA 7041								
Total Antimony	0.118	mg/kg	0.04	0.133	1		05/10/01	DJB
EPA 7471								
Total Mercury	<0.0493	mg/kg	0.04	0.133	1	SPH DUP	05/01/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/02/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1	DUP	05/02/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/02/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSH CSL LCL	05/02/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/02/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/02/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/02/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/02/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/02/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/02/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/02/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/02/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL	05/02/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1	CSL	05/02/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1	CSL LCL DUP	05/02/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/02/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/02/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/02/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/02/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/02/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1	DUP	05/02/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/02/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL LCL DUP	05/02/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/02/01	LMP

All results calculated on a dry weight basis.

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.18
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-TP1-S03 S Matrix: SOIL Sample Date/Time: 04/23/01 09:00 Lab No. 069113

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1	DUP	05/02/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/02/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/02/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/02/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	CSL	05/02/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/02/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSH CSL XXX	05/02/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/02/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/02/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1		05/02/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/02/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1		05/02/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/02/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/02/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/02/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/02/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/02/01	LMP
EPA 8310								
Acenaphthene	<0.0764	mg/kg	0.0062	0.0206	10		05/05/01	GLS
Acenaphthylene	<0.0518	mg/kg	0.0042	0.014	10		05/05/01	GLS
Anthracene	<0.0358	mg/kg	0.0029	0.00966	10		05/05/01	GLS
Benzo(a)Anthracene	<0.0308	mg/kg	0.0025	0.00833	10		05/05/01	GLS
Benzo(a)Pyrene	<0.0284	mg/kg	0.0023	0.00766	10		05/05/01	GLS
Benzo(b)Fluoranthene	<0.0136	mg/kg	0.0011	0.00366	10		05/05/01	GLS
Benzo(k)Fluoranthene	<0.0148	mg/kg	0.0012	0.004	10		05/05/01	GLS
Benzo(ghi)Perylene	<0.0123	mg/kg	0.001	0.00333	10		05/05/01	GLS
Chrysene	<0.0247	mg/kg	0.002	0.00666	10		05/05/01	GLS
Dibenzo(a,h)Anthracene	<0.0173	mg/kg	0.0014	0.00466	10		05/05/01	GLS
Fluoranthene	<0.0321	mg/kg	0.0026	0.00866	10		05/05/01	GLS
Fluorene	<0.0432	mg/kg	0.0035	0.0117	10		05/05/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.021	mg/kg	0.0017	0.00566	10		05/05/01	GLS
1-Methyl Naphthalene	<0.0358	mg/kg	0.0029	0.00966	10		05/05/01	GLS
2-Methyl Naphthalene	<0.0284	mg/kg	0.0023	0.00766	10		05/05/01	GLS
Naphthalene	<0.0481	mg/kg	0.0039	0.013	10		05/05/01	GLS
Phenanthrene	<0.0197	mg/kg	0.0016	0.00533	10		05/05/01	GLS
Pyrene	<0.0382	mg/kg	0.0031	0.0103	10		05/05/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		04/30/01	CKV
MOSA21-2								
Total Solids	81.1	%	0.33	1.1	-		04/27/01	LMV

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.19
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-TP2-503 S Matrix: SOIL Sample Date/Time: 04/23/01 10:10 Lab No. 069114

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Arsenic	1.82	mg/kg	0.23	0.766	1		05/02/01	BMS
Total Barium	18.7	mg/kg	0.07	0.233	1		05/02/01	BMS
Total Cadmium	0.0608	mg/kg	0.03	0.0999	1		05/02/01	BMS
Total Chromium	7.85	mg/kg	0.033	0.11	1		05/02/01	BMS
Total Copper	4.40	mg/kg	0.13	0.433	1		05/02/01	BMS
Total Lead	3.77	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Nickel	4.26	mg/kg	0.1	0.333	1		05/02/01	BMS
Total Selenium	<0.401	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Silver	<0.122	mg/kg	0.1	0.333	1	LCL	05/02/01	BMS
EPA 7041								
Total Antimony	0.0486	mg/kg	0.04	0.133	1		05/10/01	DJB
EPA 7471								
Total Mercury	<0.0486	mg/kg	0.04	0.133	1	SPH DUP	05/01/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/11/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/11/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/11/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/11/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/11/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/11/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/11/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/11/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/11/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1	DUP	05/11/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/11/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/11/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/11/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/11/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	LCL	05/11/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/11/01	LMP

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.20
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-TP2-503S Matrix: SOIL Sample Date/Time: 04/23/01 10:10 Lab No. 069114

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/11/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/11/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	CSH	05/11/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/11/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/11/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/11/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/11/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
EPA 8310								
Acenaphthene	<0.0753	mg/kg	0.0062	0.0206	10		05/05/01	GLS
Acenaphthylene	<0.051	mg/kg	0.0042	0.014	10		05/05/01	GLS
Anthracene	<0.0352	mg/kg	0.0029	0.00966	10		05/05/01	GLS
Benzo(a)Anthracene	<0.0304	mg/kg	0.0025	0.00833	10		05/05/01	GLS
Benzo(a)Pyrene	<0.0279	mg/kg	0.0023	0.00766	10		05/05/01	GLS
Benzo(b)Fluoranthene	<0.0134	mg/kg	0.0011	0.00366	10		05/05/01	GLS
Benzo(k)Fluoranthene	<0.0146	mg/kg	0.0012	0.004	10		05/05/01	GLS
Benzo(ghi)Perylene	<0.0122	mg/kg	0.001	0.00333	10		05/05/01	GLS
Chrysene	<0.0243	mg/kg	0.002	0.00666	10		05/05/01	GLS
Dibenzo(a,h)Anthracene	<0.017	mg/kg	0.0014	0.00466	10		05/05/01	GLS
Fluoranthene	<0.0316	mg/kg	0.0026	0.00866	10		05/05/01	GLS
Fluorene	<0.0425	mg/kg	0.0035	0.0117	10		05/05/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.0207	mg/kg	0.0017	0.00566	10		05/05/01	GLS
1-Methyl Naphthalene	<0.0352	mg/kg	0.0029	0.00966	10		05/05/01	GLS
2-Methyl Naphthalene	<0.0279	mg/kg	0.0023	0.00766	10		05/05/01	GLS
Naphthalene	<0.0474	mg/kg	0.0039	0.013	10		05/05/01	GLS
Phenanthrene	<0.0194	mg/kg	0.0016	0.00533	10		05/05/01	GLS
Pyrene	<0.0377	mg/kg	0.0031	0.0103	10		05/05/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		04/30/01	CKV
MOSA21-2								
Total Solids	82.3	%	0.33	1.1	-		04/27/01	LMV

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.21
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-TP3-502 S Matrix: SOIL Sample Date/Time: 04/23/01 11:30 Lab No. 069115

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Arsenic	3.04	mg/kg	0.23	0.766	1		05/02/01	BMS
Total Barium	31.9	mg/kg	0.07	0.233	1		05/02/01	BMS
Total Cadmium	0.0733	mg/kg	0.03	0.0999	1		05/02/01	BMS
Total Chromium	7.01	mg/kg	0.033	0.11	1		05/02/01	BMS
Total Copper	12.3	mg/kg	0.13	0.433	1		05/02/01	BMS
Total Lead	5.10	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Nickel	9.85	mg/kg	0.1	0.333	1		05/02/01	BMS
Total Selenium	<0.403	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Silver	<0.122	mg/kg	0.1	0.333	1	LCL	05/02/01	BMS
EPA 7041								
Total Antimony	<0.0476	mg/kg	0.04	0.133	1		05/10/01	DJB
EPA 7471								
Total Mercury	<0.0488	mg/kg	0.04	0.133	1	SPH DUP	05/01/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/11/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/11/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/11/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/11/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/11/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/11/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/11/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/11/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/11/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1	DUP	05/11/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/11/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/11/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/11/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/11/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	LCL	05/11/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/11/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.22
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-TP3-502 S Matrix: SOIL Sample Date/Time: 04/23/01 11:30 Lab No. 069115

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/11/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/11/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	CSH	05/11/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/11/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/11/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/11/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/11/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
EPA 8310								
Acenaphthene	<0.0757	mg/kg	0.0062	0.0206	10		05/05/01	GLS
Acenaphthylene	<0.0513	mg/kg	0.0042	0.014	10		05/05/01	GLS
Anthracene	<0.0354	mg/kg	0.0029	0.00966	10		05/05/01	GLS
Benzo(a)Anthracene	<0.0305	mg/kg	0.0025	0.00833	10		05/05/01	GLS
Benzo(a)Pyrene	<0.0281	mg/kg	0.0023	0.00766	10		05/05/01	GLS
Benzo(b)Fluoranthene	<0.0134	mg/kg	0.0011	0.00366	10		05/05/01	GLS
Benzo(k)Fluoranthene	<0.0147	mg/kg	0.0012	0.004	10		05/05/01	GLS
Benzo(ghi)Perylene	<0.0122	mg/kg	0.001	0.00333	10		05/05/01	GLS
Chrysene	<0.0244	mg/kg	0.002	0.00666	10		05/05/01	GLS
Dibenzo(a,h)Anthracene	<0.0171	mg/kg	0.0014	0.00466	10		05/05/01	GLS
Fluoranthene	<0.0317	mg/kg	0.0026	0.00866	10		05/05/01	GLS
Fluorene	<0.0427	mg/kg	0.0035	0.0117	10		05/05/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.0208	mg/kg	0.0017	0.00566	10		05/05/01	GLS
1-Methyl Naphthalene	<0.0354	mg/kg	0.0029	0.00966	10		05/05/01	GLS
2-Methyl Naphthalene	<0.0281	mg/kg	0.0023	0.00766	10		05/05/01	GLS
Naphthalene	<0.0476	mg/kg	0.0039	0.013	10		05/05/01	GLS
Phenanthrene	<0.0195	mg/kg	0.0016	0.00533	10		05/05/01	GLS
Pyrene	<0.0379	mg/kg	0.0031	0.0103	10		05/05/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		04/30/01	CKV
MOSA21-2								
Total Solids	81.9	%	0.33	1.1	-		04/27/01	LMV

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.25
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-TP5-S04 Matrix: SOIL Sample Date/Time: 04/23/01 13:30 Lab No. 069117

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Arsenic	6.08	mg/kg	0.23	0.766	1		05/02/01	BMS
Total Barium	26.0	mg/kg	0.07	0.233	1		05/02/01	BMS
Total Cadmium	0.141	mg/kg	0.03	0.0999	1		05/02/01	BMS
Total Chromium	11.7	mg/kg	0.033	0.11	1		05/02/01	BMS
Total Copper	16.3	mg/kg	0.13	0.433	1		05/02/01	BMS
Total Lead	8.16	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Nickel	18.3	mg/kg	0.1	0.333	1		05/02/01	BMS
Total Selenium	<0.387	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Silver	<0.117	mg/kg	0.1	0.333	1	LCL	05/02/01	BMS
EPA 7041								
Total Antimony	0.335	mg/kg	0.04	0.133	1		05/10/01	DJB
EPA 7471								
Total Mercury	0.0621	mg/kg	0.04	0.133	1		05/01/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/11/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/11/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/11/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/11/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/11/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/11/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/11/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/11/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/11/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1	DUP	05/11/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/11/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/11/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/11/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/11/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	LCL	05/11/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/11/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.24
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-TP4-504 Matrix: SOIL Sample Date/Time: 04/23/01 12:30 Lab No. 069116

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/11/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/11/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	CSH	05/11/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/11/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/11/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/11/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/11/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
EPA 8310								
Acenaphthene	<0.0773	mg/kg	0.0062	0.0206	10		05/05/01	GLS
Acenaphthylene	<0.0524	mg/kg	0.0042	0.014	10		05/05/01	GLS
Anthracene	<0.0362	mg/kg	0.0029	0.00966	10		05/05/01	GLS
Benzo(a)Anthracene	<0.0312	mg/kg	0.0025	0.00833	10		05/05/01	GLS
Benzo(a)Pyrene	<0.0287	mg/kg	0.0023	0.00766	10		05/05/01	GLS
Benzo(b)Fluoranthene	<0.0137	mg/kg	0.0011	0.00366	10		05/05/01	GLS
Benzo(k)Fluoranthene	<0.015	mg/kg	0.0012	0.004	10		05/05/01	GLS
Benzo(ghi)Perylene	<0.0125	mg/kg	0.001	0.00333	10		05/05/01	GLS
Chrysene	<0.0249	mg/kg	0.002	0.00666	10		05/05/01	GLS
Dibenzo(a,h)Anthracene	<0.0175	mg/kg	0.0014	0.00466	10		05/05/01	GLS
Fluoranthene	<0.0324	mg/kg	0.0026	0.00866	10		05/05/01	GLS
Fluorene	<0.0436	mg/kg	0.0035	0.0117	10		05/05/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.0212	mg/kg	0.0017	0.00566	10		05/05/01	GLS
1-Methyl Naphthalene	<0.0362	mg/kg	0.0029	0.00966	10		05/05/01	GLS
2-Methyl Naphthalene	<0.0287	mg/kg	0.0023	0.00766	10		05/05/01	GLS
Naphthalene	<0.0486	mg/kg	0.0039	0.013	10		05/05/01	GLS
Phenanthrene	<0.02	mg/kg	0.0016	0.00533	10		05/05/01	GLS
Pyrene	<0.0387	mg/kg	0.0031	0.0103	10		05/05/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		04/30/01	CKV
MOSA21-2								
Total Solids	80.2	%	0.33	1.1	-		04/27/01	LMV

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.23
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-TP4-504 Matrix: SOIL Sample Date/Time: 04/23/01 12:30 Lab No. 069116

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Arsenic	3.44	mg/kg	0.23	0.766	1		05/02/01	BMS
Total Barium	32.5	mg/kg	0.07	0.233	1		05/02/01	BMS
Total Cadmium	0.112	mg/kg	0.03	0.0999	1		05/02/01	BMS
Total Chromium	11.3	mg/kg	0.033	0.11	1		05/02/01	BMS
Total Copper	8.05	mg/kg	0.13	0.433	1		05/02/01	BMS
Total Lead	6.07	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Nickel	8.22	mg/kg	0.1	0.333	1		05/02/01	BMS
Total Selenium	<0.411	mg/kg	0.33	1.1	1		05/02/01	BMS
Total Silver	<0.125	mg/kg	0.1	0.333	1	LCL	05/02/01	BMS
EPA 7041								
Total Antimony	0.153	mg/kg	0.04	0.133	1		05/10/01	DJB
EPA 7471								
Total Mercury	<0.0499	mg/kg	0.04	0.133	1	SPH DUP	05/01/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/11/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/11/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/11/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/11/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/11/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/11/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/11/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/11/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/11/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1	DUP	05/11/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/11/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/11/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/11/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/11/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	LCL	05/11/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/11/01	LMP

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.26
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-TP5-S04 Matrix: SOIL Sample Date/Time: 04/23/01 13:30 Lab No. 069117

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Tetrachloroethylene	0.95	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/11/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/11/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
Trichloroethylene	0.0985	mg/kg	0.005	0.0167	1		05/11/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	CSH	05/11/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/11/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/11/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/11/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/11/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/11/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/11/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/11/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/11/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/11/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/11/01	LMP
EPA 8310								
Acenaphthene	<0.0727	mg/kg	0.0062	0.0206	10		05/05/01	GLS
Acenaphthylene	<0.0492	mg/kg	0.0042	0.014	10		05/05/01	GLS
Anthracene	<0.034	mg/kg	0.0029	0.00966	10		05/05/01	GLS
Benzo(a)Anthracene	<0.0293	mg/kg	0.0025	0.00833	10		05/05/01	GLS
Benzo(a)Pyrene	<0.027	mg/kg	0.0023	0.00766	10		05/05/01	GLS
Benzo(b)Fluoranthene	<0.0129	mg/kg	0.0011	0.00366	10		05/05/01	GLS
Benzo(k)Fluoranthene	<0.0141	mg/kg	0.0012	0.004	10		05/05/01	GLS
Benzo(ghi)Perylene	<0.0117	mg/kg	0.001	0.00333	10		05/05/01	GLS
Chrysene	<0.0234	mg/kg	0.002	0.00666	10		05/05/01	GLS
Dibenzo(a,h)Anthracene	<0.0164	mg/kg	0.0014	0.00466	10		05/05/01	GLS
Fluoranthene	<0.0305	mg/kg	0.0026	0.00866	10		05/05/01	GLS
Fluorene	<0.041	mg/kg	0.0035	0.0117	10		05/05/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.0199	mg/kg	0.0017	0.00566	10		05/05/01	GLS
1-Methyl Naphthalene	<0.034	mg/kg	0.0029	0.00966	10		05/05/01	GLS
2-Methyl Naphthalene	<0.027	mg/kg	0.0023	0.00766	10		05/05/01	GLS
Naphthalene	<0.0457	mg/kg	0.0039	0.013	10		05/05/01	GLS
Phenanthrene	<0.0188	mg/kg	0.0016	0.00533	10		05/05/01	GLS
Pyrene	<0.0363	mg/kg	0.0031	0.0103	10		05/05/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		04/30/01	CKV
MOSA21-2								
Total Solids	85.3	%	0.33	1.1	-		04/27/01	LMV

All results calculated on a dry weight basis.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI-53224

PROJECT NO.: 586415X8
REPORT NO. : 069106.27
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: MEOH BLANK-USF Matrix: SOIL Sample Date/Time: 04/23/01 Lab No. 069118

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.025	mg/l	0.004	0.0133	1		05/11/01	LMP
Bromobenzene	<0.025	mg/l	0.008	0.0266	1		05/11/01	LMP
Bromodichloromethane	<0.025	mg/l	0.005	0.0167	1		05/11/01	LMP
n-Butylbenzene	<0.025	mg/l	0.005	0.0167	1		05/11/01	LMP
sec-Butylbenzene	<0.025	mg/l	0.004	0.0133	1		05/11/01	LMP
tert-Butylbenzene	<0.025	mg/l	0.003	0.00999	1		05/11/01	LMP
Carbon Tetrachloride	<0.025	mg/l	0.006	0.02	1		05/11/01	LMP
Chlorobenzene	<0.025	mg/l	0.004	0.0133	1		05/11/01	LMP
Chlorodibromomethane	<0.025	mg/l	0.004	0.0133	1		05/11/01	LMP
Chloroethane	<0.025	mg/l	0.012	0.04	1	CSL LCL DUP	05/11/01	LMP
Chloroform	<0.025	mg/l	0.016	0.0533	1		05/11/01	LMP
Chloromethane	<0.025	mg/l	0.011	0.0366	1	CSL LCL	05/11/01	LMP
2-Chlorotoluene	<0.025	mg/l	0.012	0.04	1		05/11/01	LMP
4-Chlorotoluene	<0.025	mg/l	0.014	0.0466	1		05/11/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/l	0.019	0.0633	1		05/11/01	LMP
1,2-Dibromoethane	<0.025	mg/l	0.006	0.02	1		05/11/01	LMP
1,2-Dichlorobenzene	<0.025	mg/l	0.007	0.0233	1		05/11/01	LMP
1,3-Dichlorobenzene	<0.025	mg/l	0.011	0.0366	1		05/11/01	LMP
1,4-Dichlorobenzene	<0.025	mg/l	0.013	0.0433	1		05/11/01	LMP
Dichlorodifluoromethane	<0.025	mg/l	0.017	0.0566	1	LCL	05/11/01	LMP
1,1-Dichloroethane	<0.025	mg/l	0.006	0.02	1		05/11/01	LMP
1,2-Dichloroethane	<0.025	mg/l	0.004	0.0133	1	DUP	05/11/01	LMP
1,1-Dichloroethylene	<0.025	mg/l	0.007	0.0233	1		05/11/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/l	0.007	0.0233	1		05/11/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/l	0.009	0.03	1		05/11/01	LMP
1,2-Dichloropropane	<0.025	mg/l	0.005	0.0167	1		05/11/01	LMP
1,3-Dichloropropane	<0.025	mg/l	0.017	0.0566	1		05/11/01	LMP
2,2-Dichloropropane	<0.025	mg/l	0.012	0.04	1	CSL LCL	05/11/01	LMP
Ethylbenzene	<0.025	mg/l	0.007	0.0233	1		05/11/01	LMP
Hexachlorobutadiene	<0.025	mg/l	0.008	0.0266	1		05/11/01	LMP
Isopropylbenzene	<0.025	mg/l	0.006	0.02	1		05/11/01	LMP
p-Isopropyltoluene	<0.025	mg/l	0.006	0.02	1		05/11/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/l	0.018	0.0599	1		05/11/01	LMP
Methylene Chloride	<0.025	mg/l	0.005	0.0167	1	LCL	05/11/01	LMP
Naphthalene	<0.025	mg/l	0.018	0.0599	1		05/11/01	LMP
n-Propylbenzene	<0.025	mg/l	0.004	0.0133	1		05/11/01	LMP
Tetrachloroethylene	<0.025	mg/l	0.005	0.0167	1		05/11/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/l	0.008	0.0266	1		05/11/01	LMP
Toluene	<0.025	mg/l	0.008	0.0266	1		05/11/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/l	0.015	0.05	1		05/11/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/l	0.013	0.0433	1		05/11/01	LMP
1,1,1-Trichloroethane	<0.025	mg/l	0.005	0.0167	1		05/11/01	LMP
1,1,2-Trichloroethane	<0.025	mg/l	0.004	0.0133	1		05/11/01	LMP
Trichloroethylene	<0.025	mg/l	0.005	0.0167	1		05/11/01	LMP
Trichlorofluoromethane	<0.025	mg/l	0.007	0.0233	1	CSH	05/11/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/l	0.007	0.0233	1		05/11/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/l	0.005	0.0167	1		05/11/01	LMP
Vinyl Chloride	<0.025	mg/l	0.009	0.03	1	CSL LCL	05/11/01	LMP
m- & p-Xylene	<0.025	mg/l	0.008	0.0266	1		05/11/01	LMP
o-Xylene	<0.025	mg/l	0.005	0.0167	1		05/11/01	LMP
Bromochloromethane	<0.025	mg/l	0.014	0.0466	1	CSL LCL	05/11/01	LMP
Bromoform	<0.025	mg/l	0.011	0.0366	1		05/11/01	LMP

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI-53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.28
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: MEOH BLANK-USF Matrix: SOIL Sample Date/Time: 04/23/01 Lab No. 069118

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Bromomethane	<0.025	mg/l	0.012	0.04	1	CSL LCL DUP	05/11/01	LMP
Dibromomethane	<0.025	mg/l	0.01	0.0333	1		05/11/01	LMP
1,1-Dichloropropene	<0.025	mg/l	0.004	0.0133	1		05/11/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/l	0.006	0.02	1		05/11/01	LMP
Styrene	<0.025	mg/l	0.004	0.0133	1		05/11/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/l	0.011	0.0366	1		05/11/01	LMP
1,2,3-Trichloropropane	<0.025	mg/l	0.011	0.0366	1		05/11/01	LMP

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.29
DATE REC'D : 04/25/01
REPORT DATE: 05/21/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Qualifier Descriptions

LCL	The laboratory control sample for this analyte exibited a low bias. Sample results may also be biased low.
SPH	Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.
DUP	Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.
CSH	Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
XXX	Special qualifier.
LCH	The laboratory control sample for this analyte exibited a high bias. Sample results may also be biased high.
J	Estimated concentration below laboratory quantitation level.
S1L	Sample matrix spike recovery was low. Sample result may be biased low.
S2L	Sample matrix spike duplicate recovery was low. Sample result may be biased low.
S1H	Sample matrix spike recovery was high. Sample result may be biased high.
S2H	Sample matrix spike duplicate recovery was high. Sample result may be biased high.
SL	Surrogate recovery was low. Result for sample may be biased low.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Narrative

Analytical No: 69109 - 69111, 69106, 69108

The above listed sample required a dilution to complete the analysis for PCB by EPA Method 8082, thus resulting in an elevated limit of detection (LOD). The reason(s) for the dilution include:

[X] The physical nature (color, odor, phase separation, etc.) indicated a potential problem and a dilution was taken to protect the instrument.

[ ] Sample matrix contains interfering concentrations of non-target compounds. A larger sample size would result in the non-target analytes masking over the target analytes.

[ ] Insufficient sample volume. The sample may have been used for QC or multiple runs at a different dilution was attempted.

[ ] Sample had a tendency to foam excessively during the purge cycle (VOC analysis only).

[ ] Sample matrix competes with the internal standards and/or surrogates so that accurate quantitation is not possible at a lesser dilution.

[X] Sample dilution necessary due to high levels of non-target compounds observed during screening by GC/FID.

[X] Appropriate extract clean-up techniques were performed.

[ ] Other (Explain): _____

_____

Analysts: _____ (signature) Date: 5/18/01

Approved by: _____ (signature) Date: 5/18/01

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Receipt Report

Client: STS m.i Date Received: 4/25/01

Analytical No.: 69106 Through 69118

Check all deviations from EPA or WDNR sample protocol.

[ ] Sample(s) received at ____°C which is above the EPA and WDNR limit of 4°C.

[ ] VOC vial(s) received with headspace. Explain: _____

[ ] Sample(s) received in bottles not furnished by Enviroscan. Preservation method, if used, is unknown.

[ ] Sample(s) not properly preserved per EPA/WDNR protocol for the following: _____

[ ] Sample(s) received beyond EPA holding time for: _____

[ ] Sample date/time not supplied by client. Actual holding time unknown.

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) are <19.5 gms and this report is the flag for that information. Sample(s) under-weight: _____

[ ] GRO/PVOC/VOC (circle appropriate) sample(s) were between 26.4-35.4 gms so methanol was added in a 1:1 ratio. Sample(s) included: _____

[X] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) were >35.4 gms and are required to be rejected. Sample(s) included: 69106 → 5ml, 69108 → 5ml, 69109 → 7ml, 69110 → 4ml, 69111 → 4ml, 69113 → 5ml, 69114 → 2ml, 69115 → 5ml

[ ] Other: 69116 → 6ml, 69117 → 2ml

Client contact concerning the above deviations:

Client _____ (contact name) notified of the above deviation(s) on __/__/__ at ___:___ am/pm by _____ and the client ordered:
(signature)

[ ] Proceed with analyses as ordered.

[ ] Proceed with analyses after taking the following corrective action: _____

[ ] Do NOT proceed with analyses.

REQUEST FOR SERVICES USFilter

ENVIROSCAN SERVICES 301 W. MILITARY RD. ROTHSCHILD, WI 54474 1-800-338-SCAN

REPORT TO:
Name: Lanette Altenbach
Company: STS Consultants, Ltd.
Address: 11425 W. Lake Park Dr.
Milwaukee, WI 53224
Phone: (414) 359-3030
P. O. # C+L Industrial Cleaners
Project # 586415XR-2000 Quote # 7061-4
Location Kenosha WI
Env. Proj # 24-0412-93.0

BILL TO: (if different from Report To info)
Name:
Company:
Address:
Phone: ( )

Sample Type (Check all that apply)
- ☐ Groundwater
- ☒ Wastewater
- ☒ Soil/Solid
- ☐ Drinking Water
- ☐ Oil
- ☐ Vapor
- ☐ Other

Turnaround Time
- ☒ Normal
- ☐ Rush (Pre-approved by Lab)

Date Needed
Approved By

ANALYTICAL REQUESTS
(use separate sheet if necessary)

LAB USE ONLY	DATE	TIME	No. of Containers COMP	No. of Containers GRAB	SAMPLE ID	Water – 2 liter amber 1 L (1 pt) 2 vials	VOCs 2 vials – TS coat	PAH Soils 4oz jar	PCB 9oz jar	Metals	REMARKS
13069106	4-23-01	14:50		3	CL-P1-SL010423	X	X	X	X		Soil
13069107	↓	16:30		5 water	CL-P3-W010423	X	X	X	X		Free product present
13069108		15:25		3 soils	CL-P4-SL010423	X	X	X	X		
13069109		15:15			CL-P5-SL010423	X	X	X	X		
13069110		15:40			CL-P6-SL010423	X	X	X	X		
13069111		15:55			CL-P7-SL010423	X	X	X	X		
13069112	↓	14:50		1	~~CLPB~~ CL-P-B BOB 4-23-01	X					MEOH Blank

Del'v: Hand / Comm
Ship. Cont. OK Y N N/A
Samples leaking? Y N N/A
Seals OK? Y N N/A
Rec'd on ice? Y N N/A °C

Comments: Seals delivered in tact

CHAIN OF CUSTODY RECORD

SAMPLERS: (Signature) Bryan Berg

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Bryan Berg	4-24-01 8:20	Kenneth Altenbach
Kenneth Altenbach	4-24-01 12:30	Dunham Express
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature) / DATE/TIME
		4-25-01 11:00

REQUEST FOR SERVICES — USFilter

ENVIROSCAN SERVICES 301 W. MILITARY RD. ROTHSCHILD, WI 54474 1-800-338-SCAN

REPORT TO:
Name: Lanette Altenbach
Company: STS Consultants, Ltd.
Address: 11425 W. Lake Park Dr.
Milwaukee, WI 53224
Phone: (414) 359-3030
P. O. # C+L Industrial Cleaners
Project # 586415xB-2000 Quote # 7061-4
Location Kenosha WI
Env. Proj # 21-0412 93.0

BILL TO: (if different from Report To info)
Name:
Company:
Address:
Phone: (____)

Sample Type (Check all that apply)
- ☐ Groundwater
- ☐ Wastewater
- ☒ Soil/Solid
- ☐ Drinking Water
- ☐ Oil
- ☐ Vapor
- ☐ Other

Turnaround Time
- ☒ Normal
- ☐ Rush (Pre-approved by Lab)

Date Needed
Approved By

ANALYTICAL REQUESTS
(use separate sheet if necessary)

LAB USE ONLY	DATE	TIME	No. of Containers COMP	No. of Containers GRAB	SAMPLE ID	9oz glass VOA 4oz pres jar TS container	VOCs	PAHs	Metals	REMARKS
13069113	4-23-01	9:00		3	CL-TP1-S03	X	X	X		
13069114		10:10			CL-TP2-S03	X	X	X		
13069115		11:30			CL-TP3-S02	X	X	X		
13069116		12:30			CL-TP4-S04	X	X	X		
13069117		13:30			CL-TP5-S04	X	X	X		
13069118	↓	9:00			~~MeOH Blank~~ BSB 4-23-01 CL-TP-B	X				MEOH Blank

Del'v: Hand Courier
Ship. Cont. OK Y N N/A
Samples leaking? Y N N/A
Seals OK? Y N N/A
Rec'd on ice? Y N N/A °C

Comments: Delivered with Seals in Tact

CHAIN OF CUSTODY RECORD

SAMPLERS: (Signature) Ryan Berger

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Ryan Berger	4-24-01 8:20	Lanette Altenbach
Lanette Altenbach	4/24/01 See Bill of Lading	TB common carrier Burnham Express
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature) / DATE/TIME
		4/25/01 1005

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 715-359-7226
FACSIMILE 715-355-3221

May 22, 2001

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

Attn: Lanette Altenbach

REPORT NO.: 069832 **PROJECT NO.: 86415-XB**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received May 2, 2001.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

James R. Salkowski
Laboratory Director

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Release of this Final Report is authorized as verified by the following signature.

Approved by:

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

069832.2

Lab Id	Client Sample ID	Date/Time	Matrix
069832	CL-B01-S02	04/30/01 11:00	SOIL
069833	CL-B01-S03	04/30/01 11:05	SOIL
069834	CL-B02-S02	04/30/01 12:05	SOIL
069835	CL-B02-S01	04/30/01 12:15	SOIL
069836	CL-B03-S02	04/30/01 14:10	SOIL
069837	CL-B03-S03	04/30/01 14:15	SOIL
069838	CL-B04-S02	04/30/01 15:30	SOIL
069839	CL-B04-S04	04/30/01 15:40	SOIL
069840	CL-G1-S03	04/30/01 17:00	SOIL
069841	CL-G1-S04	04/30/01 17:05	SOIL
069842	CL-G2-S03	04/30/01 13:50	SOIL
069843	CL-G2-S04	04/30/01 14:00	SOIL
069844	CL-G3-S03	04/30/01 14:10	SOIL
069845	CL-G3-S04	04/30/01 14:25	SOIL
069846	CL-G4-S03	04/30/01 15:10	SOIL
069847	CL-G4-S04	04/30/01 15:20	SOIL
069848	CL-G5-S01	04/30/01	SOIL
069849	CL-G5-S03	04/30/01	SOIL
069850	CL-B05-S01	04/30/01 16:43	SOIL
069851	CL-B05-S02	04/30/01 16:50	SOIL

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.3
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B01-S02 Matrix: SOIL Sample Date/Time: 04/30/01 11:00 Lab No. 069832

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.97	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	2.60	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	38.9	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.151	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	12.6	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	7.25	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	4.92	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	8.42	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.382	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.116	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.0742	mg/kg	0.04	0.133	1		05/08/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP

All results calculated on a dry weight basis.

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.4
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B01-S02 Matrix: SOIL Sample Date/Time: 04/30/01 11:00 Lab No. 069832

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/14/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.00718	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.00487	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.00336	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	0.00502	mg/kg	0.0025	0.00833	1	J	05/12/01	GLS
Benzo(a)Pyrene	0.0046	mg/kg	0.0023	0.00766	1	J	05/12/01	GLS
Benzo(b)Fluoranthene	0.0262	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	<0.00139	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	0.00505	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	0.00684	mg/kg	0.002	0.00666	1	J	05/12/01	GLS
Dibenzo(a,h)Anthracene	0.00783	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	0.0221	mg/kg	0.0026	0.00866	1		05/12/01	GLS
Fluorene	<0.00406	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	0.00592	mg/kg	0.0017	0.00566	1	J	05/12/01	GLS
1-Methyl Naphthalene	<0.00336	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.00267	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	0.00461	mg/kg	0.0039	0.013	1	J	05/12/01	GLS
Phenanthrene	0.0129	mg/kg	0.0016	0.00533	1		05/12/01	GLS
Pyrene	0.0166	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	86.3	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.5
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B01-S03 Matrix: SOIL Sample Date/Time: 04/30/01 11:05 Lab No. 069833

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.01	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	3.85	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	12.8	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.272	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	7.62	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	7.27	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	4.07	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	11.6	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.391	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.118	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0473	mg/kg	0.04	0.133	1		05/08/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/12/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/12/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/12/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/12/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/12/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/12/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/12/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/12/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/12/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/12/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/12/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/12/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/12/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/12/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP

All results calculated on a dry weight basis.

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FACSIMILE 715-355-3221

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Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.6
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B01-S03 Matrix: SOIL Sample Date/Time: 04/30/01 11:05 Lab No. 069833

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/12/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/12/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/12/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/12/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/12/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1	LCH	05/12/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
EPA 8310								
Acenaphthene	<0.00734	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.00497	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.00343	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	<0.00296	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	<0.00272	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	<0.0013	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	<0.00142	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	<0.00118	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	<0.00237	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.00166	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	<0.00308	mg/kg	0.0026	0.00866	1		05/12/01	GLS
Fluorene	<0.00414	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00201	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	<0.00343	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.00272	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	<0.00462	mg/kg	0.0039	0.013	1		05/12/01	GLS
Phenanthrene	<0.00189	mg/kg	0.0016	0.00533	1		05/12/01	GLS
Pyrene	<0.00367	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	84.5	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

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Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.7
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B02-S02 Matrix: SOIL Sample Date/Time: 04/30/01 12:05 Lab No. 069834

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.12	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	6.10	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	86.9	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.96	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	14.8	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	18.6	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	461.	mg/kg	0.33	1.1	2		05/17/01	BMS
Total Nickel	15.3	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	1.03	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.125	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.0561	mg/kg	0.04	0.133	1		05/08/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/12/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/12/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/12/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/12/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/12/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/12/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/12/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/12/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/12/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
cis-1,2-Dichloroethylene	0.485	mg/kg	0.007	0.0233	1		05/12/01	LMP
trans-1,2-Dichloroethylene	0.032	mg/kg	0.009	0.03	1		05/12/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/12/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/12/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/12/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/12/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.8
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B02-S02 Matrix: SOIL Sample Date/Time: 04/30/01 12:05 Lab No. 069834

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/12/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/12/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/12/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/12/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/12/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1	LCH	05/12/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
EPA 8310								
Acenaphthene	<0.0773	mg/kg	0.0062	0.0206	10	DUP	05/12/01	GLS
Acenaphthylene	<0.0524	mg/kg	0.0042	0.014	10		05/12/01	GLS
Anthracene	<0.0362	mg/kg	0.0029	0.00966	10		05/12/01	GLS
Benzo(a)Anthracene	<0.0312	mg/kg	0.0025	0.00833	10		05/12/01	GLS
Benzo(a)Pyrene	<0.0287	mg/kg	0.0023	0.00766	10		05/12/01	GLS
Benzo(b)Fluoranthene	0.0584	mg/kg	0.0011	0.00366	10		05/12/01	GLS
Benzo(k)Fluoranthene	0.0207	mg/kg	0.0012	0.004	10		05/12/01	GLS
Benzo(ghi)Perylene	0.0192	mg/kg	0.001	0.00333	10		05/12/01	GLS
Chrysene	0.0423	mg/kg	0.002	0.00666	10		05/12/01	GLS
Dibenzo(a,h)Anthracene	0.0279	mg/kg	0.0014	0.00466	10		05/12/01	GLS
Fluoranthene	0.0374	mg/kg	0.0026	0.00866	10		05/12/01	GLS
Fluorene	<0.0436	mg/kg	0.0035	0.0117	10		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	0.0276	mg/kg	0.0017	0.00566	10		05/12/01	GLS
1-Methyl Naphthalene	<0.0362	mg/kg	0.0029	0.00966	10	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.0287	mg/kg	0.0023	0.00766	10	DUP	05/12/01	GLS
Naphthalene	<0.0486	mg/kg	0.0039	0.013	10		05/12/01	GLS
Phenanthrene	0.0608	mg/kg	0.0016	0.00533	10		05/12/01	GLS
Pyrene	0.063	mg/kg	0.0031	0.0103	10		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	80.2	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.9
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B02-S01 Matrix: SOIL Sample Date/Time: 04/30/01 12:15 Lab No. 069835

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.00	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	3.40	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	49.4	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.141	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	13.6	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	22.7	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	6.92	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	16.5	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.387	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.117	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0469	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/12/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/12/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/12/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/12/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/12/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/12/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/12/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/12/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/12/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/12/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/12/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/12/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/12/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/12/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Tetrachloroethylene	4.13	mg/kg	0.005	0.0167	10		05/15/01	LMP

All results calculated on a dry weight basis.

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FACSIMILE 715-355-3221

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Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.10
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B02-S01 Matrix: SOIL Sample Date/Time: 04/30/01 12:15 Lab No. 069835

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/12/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/12/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Trichloroethylene	0.0521	mg/kg	0.005	0.0167	1		05/12/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/12/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/12/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/12/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1	LCH	05/12/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
EPA 8310								
Acenaphthene	<0.00728	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.00493	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.0034	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	<0.00293	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	<0.0027	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	0.0129	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	0.0194	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	0.0604	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	<0.00235	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.00164	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	0.0553	mg/kg	0.0026	0.00866	1	J	05/12/01	GLS
Fluorene	<0.00411	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	0.011	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	<0.0034	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.0027	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	<0.00458	mg/kg	0.0039	0.013	1		05/12/01	GLS
Phenanthrene	0.0158	mg/kg	0.0016	0.00533	1		05/12/01	GLS
Pyrene	0.00798	mg/kg	0.0031	0.0103	1	J	05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	85.2	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.11
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B03-S02 Matrix: SOIL Sample Date/Time: 04/30/01 14:10 Lab No. 069836

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.93	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	2.51	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	34.9	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.204	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	11.8	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	20.4	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	32.1	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	8.75	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	0.522	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.113	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.059	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/12/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/12/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/12/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/12/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/12/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/12/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/12/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/12/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/12/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/12/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/12/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/12/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/12/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/12/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Tetrachloroethylene	0.12	mg/kg	0.005	0.0167	1		05/15/01	LMP

All results calculated on a dry weight basis.

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TELEPHONE 800-338-7225
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.12
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B03-S02 Matrix: SOIL Sample Date/Time: 04/30/01 14:10 Lab No. 069836

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/12/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/12/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/12/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/12/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/12/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/12/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/12/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/12/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1	LCH	05/12/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/12/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/12/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/12/01	LMP
EPA 8310								
Acenaphthene	0.0136	mg/kg	0.0062	0.0206	1	J DUP	05/12/01	GLS
Acenaphthylene	<0.00476	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	0.00632	mg/kg	0.0029	0.00966	1	J	05/12/01	GLS
Benzo(a)Anthracene	0.147	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	0.265	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	0.362	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	0.138	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	0.26	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	0.141	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.00159	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	0.164	mg/kg	0.0026	0.00866	1		05/12/01	GLS
Fluorene	<0.00397	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	0.278	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	0.00687	mg/kg	0.0029	0.00966	1	J DUP	05/12/01	GLS
2-Methyl Naphthalene	0.00937	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	0.00747	mg/kg	0.0039	0.013	1	J	05/12/01	GLS
Phenanthrene	0.00533	mg/kg	0.0016	0.00533	1	J	05/12/01	GLS
Pyrene	0.209	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	88.2	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.13
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B03-S03 Matrix: SOIL Sample Date/Time: 04/30/01 14:15 Lab No. 069837

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.03	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	3.56	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	22.0	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.0752	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	18.3	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	7.63	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	6.30	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	9.83	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.394	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.119	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0477	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Tetrachloroethylene	0.0594	mg/kg	0.005	0.0167	1		05/15/01	LMP

All results calculated on a dry weight basis.

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FACSIMILE 715-355-3221

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Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.14
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B03-S03 Matrix: SOIL Sample Date/Time: 04/30/01 14:15 Lab No. 069837

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1	LCH	05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.0074	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.00501	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.00346	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	<0.00298	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	<0.00274	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	<0.00131	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	<0.00143	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	<0.00119	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	<0.00239	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.00167	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	0.00348	mg/kg	0.0026	0.00866	1	J	05/12/01	GLS
Fluorene	<0.00418	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00203	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	<0.00346	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.00274	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	<0.00465	mg/kg	0.0039	0.013	1		05/12/01	GLS
Phenanthrene	<0.00191	mg/kg	0.0016	0.00533	1		05/12/01	GLS
Pyrene	<0.0037	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	83.8	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

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Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.15
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B04-S02 Matrix: SOIL Sample Date/Time: 04/30/01 15:30 Lab No. 069838

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.06	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	3.33	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	64.5	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.339	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	14.5	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	14.8	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	20.5	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	11.9	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.4	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.121	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.0582	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7225
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.16
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B04-S02 Matrix: SOIL Sample Date/Time: 04/30/01 15:30 Lab No. 069838

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1	LCH	05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.0752	mg/kg	0.0062	0.0206	10	DUP	05/12/01	GLS
Acenaphthylene	<0.0509	mg/kg	0.0042	0.014	10		05/12/01	GLS
Anthracene	0.13	mg/kg	0.0029	0.00966	10		05/12/01	GLS
Benzo(a)Anthracene	0.762	mg/kg	0.0025	0.00833	10		05/12/01	GLS
Benzo(a)Pyrene	0.65	mg/kg	0.0023	0.00766	10		05/12/01	GLS
Benzo(b)Fluoranthene	0.629	mg/kg	0.0011	0.00366	10		05/12/01	GLS
Benzo(k)Fluoranthene	0.379	mg/kg	0.0012	0.004	10		05/12/01	GLS
Benzo(ghi)Perylene	0.253	mg/kg	0.001	0.00333	10		05/12/01	GLS
Chrysene	0.857	mg/kg	0.002	0.00666	10		05/12/01	GLS
Dibenzo(a,h)Anthracene	0.0305	mg/kg	0.0014	0.00466	10		05/12/01	GLS
Fluoranthene	1.52	mg/kg	0.0026	0.00866	10		05/12/01	GLS
Fluorene	<0.0424	mg/kg	0.0035	0.0117	10		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	0.285	mg/kg	0.0017	0.00566	10		05/12/01	GLS
1-Methyl Naphthalene	0.0632	mg/kg	0.0029	0.00966	10	DUP	05/12/01	GLS
2-Methyl Naphthalene	0.0314	mg/kg	0.0023	0.00766	10	DUP	05/12/01	GLS
Naphthalene	<0.0473	mg/kg	0.0039	0.013	10		05/12/01	GLS
Phenanthrene	0.469	mg/kg	0.0016	0.00533	10		05/12/01	GLS
Pyrene	2.29	mg/kg	0.0031	0.0103	10		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	82.5	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.17
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B04-S04 Matrix: SOIL Sample Date/Time: 04/30/01 15:40 Lab No. 069839

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.05	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	1.40	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	3.98	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.277	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	3.89	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	13.0	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	4.24	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	6.14	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.397	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.12	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0481	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.18
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B04-S04 Matrix: SOIL Sample Date/Time: 04/30/01 15:40 Lab No. 069839

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1	LCH	05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.0746	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.0505	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.0349	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	<0.0301	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	<0.0277	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	<0.0132	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	<0.0144	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	<0.012	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	<0.0241	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.0168	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	<0.0313	mg/kg	0.0026	0.00866	1		05/12/01	GLS
Fluorene	<0.0421	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.0205	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	<0.0349	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.0277	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	<0.0469	mg/kg	0.0039	0.013	1		05/12/01	GLS
Phenanthrene	<0.0193	mg/kg	0.0016	0.00533	1		05/12/01	GLS
Pyrene	<0.0373	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	83.1	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.19
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G1-S03 Matrix: SOIL Sample Date/Time: 04/30/01 17:00 Lab No. 069840

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.07	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	1.24	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	6.91	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.219	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	9.81	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	21.1	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	5.88	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	11.7	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.402	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.122	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0487	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<1.00	mg/kg	0.004	0.0133	50		05/15/01	LMP
Bromobenzene	<1.00	mg/kg	0.008	0.0266	50		05/15/01	LMP
Bromodichloromethane	<1.00	mg/kg	0.005	0.0167	50		05/15/01	LMP
n-Butylbenzene	<1.00	mg/kg	0.005	0.0167	50		05/15/01	LMP
sec-Butylbenzene	<1.00	mg/kg	0.004	0.0133	50		05/15/01	LMP
tert-Butylbenzene	<1.00	mg/kg	0.003	0.00999	50		05/15/01	LMP
Carbon Tetrachloride	<1.00	mg/kg	0.006	0.02	50		05/15/01	LMP
Chlorobenzene	<1.00	mg/kg	0.004	0.0133	50		05/15/01	LMP
Chlorodibromomethane	<1.00	mg/kg	0.004	0.0133	50		05/15/01	LMP
Chloroethane	<1.00	mg/kg	0.012	0.04	50	CSL LCL	05/15/01	LMP
Chloroform	<1.00	mg/kg	0.016	0.0533	50		05/15/01	LMP
Chloromethane	<1.00	mg/kg	0.011	0.0366	50	CSL LCL DUP	05/15/01	LMP
2-Chlorotoluene	<1.00	mg/kg	0.012	0.04	50		05/15/01	LMP
4-Chlorotoluene	<1.00	mg/kg	0.014	0.0466	50		05/15/01	LMP
1,2-Dibromo-3-chloropropane	<1.00	mg/kg	0.019	0.0633	50		05/15/01	LMP
1,2-Dibromoethane	<1.00	mg/kg	0.006	0.02	50		05/15/01	LMP
1,2-Dichlorobenzene	<1.00	mg/kg	0.007	0.0233	50		05/15/01	LMP
1,3-Dichlorobenzene	<1.00	mg/kg	0.011	0.0366	50		05/15/01	LMP
1,4-Dichlorobenzene	<1.00	mg/kg	0.013	0.0433	50		05/15/01	LMP
Dichlorodifluoromethane	<1.00	mg/kg	0.017	0.0566	50	CSL LCL DUP	05/15/01	LMP
1,1-Dichloroethane	<1.00	mg/kg	0.006	0.02	50		05/15/01	LMP
1,2-Dichloroethane	<1.00	mg/kg	0.004	0.0133	50		05/15/01	LMP
1,1-Dichloroethylene	<1.00	mg/kg	0.007	0.0233	50		05/15/01	LMP
cis-1,2-Dichloroethylene	<1.00	mg/kg	0.007	0.0233	50		05/15/01	LMP
trans-1,2-Dichloroethylene	<1.00	mg/kg	0.009	0.03	50		05/15/01	LMP
1,2-Dichloropropane	<1.00	mg/kg	0.005	0.0167	50		05/15/01	LMP
1,3-Dichloropropane	<1.00	mg/kg	0.017	0.0566	50		05/15/01	LMP
2,2-Dichloropropane	<1.00	mg/kg	0.012	0.04	50	CSL LCL DUP	05/15/01	LMP
Ethylbenzene	<1.00	mg/kg	0.007	0.0233	50		05/15/01	LMP
Hexachlorobutadiene	<1.00	mg/kg	0.008	0.0266	50		05/15/01	LMP
Isopropylbenzene	<1.00	mg/kg	0.006	0.02	50		05/15/01	LMP
p-Isopropyltoluene	<1.00	mg/kg	0.006	0.02	50		05/15/01	LMP
Methyl t-Butyl Ether(MTBE)	<1.00	mg/kg	0.018	0.0599	50	CSL	05/15/01	LMP
Methylene Chloride	<1.00	mg/kg	0.005	0.0167	50	CSL	05/15/01	LMP
Naphthalene	<1.00	mg/kg	0.018	0.0599	50		05/15/01	LMP
n-Propylbenzene	<1.00	mg/kg	0.004	0.0133	50		05/15/01	LMP
Tetrachloroethylene	132.	mg/kg	0.005	0.0167	250		05/16/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.20
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G1-S03 Matrix: SOIL Sample Date/Time: 04/30/01 17:00 Lab No. 069840

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<1.00	mg/kg	0.008	0.0266	50		05/15/01	LMP
Toluene	<1.00	mg/kg	0.008	0.0266	50		05/15/01	LMP
1,2,3-Trichlorobenzene	<1.00	mg/kg	0.015	0.05	50		05/15/01	LMP
1,2,4-Trichlorobenzene	<1.00	mg/kg	0.013	0.0433	50		05/15/01	LMP
1,1,1-Trichloroethane	<1.00	mg/kg	0.005	0.0167	50		05/15/01	LMP
1,1,2-Trichloroethane	<1.00	mg/kg	0.004	0.0133	50		05/15/01	LMP
Trichloroethylene	<1.00	mg/kg	0.005	0.0167	50		05/15/01	LMP
Trichlorofluoromethane	<1.00	mg/kg	0.007	0.0233	50		05/15/01	LMP
1,2,4-Trimethylbenzene	<1.00	mg/kg	0.007	0.0233	50		05/15/01	LMP
1,3,5-Trimethylbenzene	<1.00	mg/kg	0.005	0.0167	50		05/15/01	LMP
Vinyl Chloride	<1.00	mg/kg	0.009	0.03	50	CSL LCL	05/15/01	LMP
m- & p-Xylene	<1.00	mg/kg	0.008	0.0266	50		05/15/01	LMP
o-Xylene	<1.00	mg/kg	0.005	0.0167	50		05/15/01	LMP
Bromochloromethane	<1.00	mg/kg	0.014	0.0466	50	CSL LCL	05/15/01	LMP
Bromoform	<1.00	mg/kg	0.011	0.0366	50		05/15/01	LMP
Bromomethane	<1.00	mg/kg	0.012	0.04	50	CSL LCL DUP	05/15/01	LMP
Dibromomethane	<1.00	mg/kg	0.01	0.0333	50		05/15/01	LMP
1,1-Dichloropropene	<1.00	mg/kg	0.004	0.0133	50		05/15/01	LMP
trans-1,3-dichloroprop(yl)e	<1.00	mg/kg	0.006	0.02	50		05/15/01	LMP
Styrene	<1.00	mg/kg	0.004	0.0133	50		05/15/01	LMP
1,1,1,2-Tetrachloroethane	<1.00	mg/kg	0.011	0.0366	50		05/15/01	LMP
1,2,3-Trichloropropane	<1.00	mg/kg	0.011	0.0366	50		05/15/01	LMP
EPA 8310								
Acenaphthene	<0.0755	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.0512	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.0353	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	<0.0305	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	<0.028	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	<0.0134	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	<0.0146	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	<0.0122	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	<0.0244	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.0171	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	<0.0317	mg/kg	0.0026	0.00866	1		05/12/01	GLS
Fluorene	<0.0426	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.0207	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	<0.0353	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.028	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	<0.0475	mg/kg	0.0039	0.013	1		05/12/01	GLS
Phenanthrene	0.0667	mg/kg	0.0016	0.00533	1		05/12/01	GLS
Pyrene	<0.0378	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	82.1	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.21
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G1-S04 Matrix: SOIL Sample Date/Time: 04/30/01 17:05 Lab No. 069841

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.05	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	8.70	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	15.7	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.112	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	14.5	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	25.0	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	7.60	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	16.6	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.398	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.121	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0483	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<2.00	mg/kg	0.004	0.0133	100		05/15/01	LMP
Bromobenzene	<2.00	mg/kg	0.008	0.0266	100		05/15/01	LMP
Bromodichloromethane	<2.00	mg/kg	0.005	0.0167	100		05/15/01	LMP
n-Butylbenzene	<2.00	mg/kg	0.005	0.0167	100		05/15/01	LMP
sec-Butylbenzene	<2.00	mg/kg	0.004	0.0133	100		05/15/01	LMP
tert-Butylbenzene	<2.00	mg/kg	0.003	0.00999	100		05/15/01	LMP
Carbon Tetrachloride	<2.00	mg/kg	0.006	0.02	100		05/15/01	LMP
Chlorobenzene	<2.00	mg/kg	0.004	0.0133	100		05/15/01	LMP
Chlorodibromomethane	<2.00	mg/kg	0.004	0.0133	100		05/15/01	LMP
Chloroethane	<2.00	mg/kg	0.012	0.04	100	CSL LCL	05/15/01	LMP
Chloroform	<2.00	mg/kg	0.016	0.0533	100		05/15/01	LMP
Chloromethane	<2.00	mg/kg	0.011	0.0366	100	CSL LCL DUP	05/15/01	LMP
2-Chlorotoluene	<2.00	mg/kg	0.012	0.04	100		05/15/01	LMP
4-Chlorotoluene	<2.00	mg/kg	0.014	0.0466	100		05/15/01	LMP
1,2-Dibromo-3-chloropropane	<2.00	mg/kg	0.019	0.0633	100		05/15/01	LMP
1,2-Dibromoethane	<2.00	mg/kg	0.006	0.02	100		05/15/01	LMP
1,2-Dichlorobenzene	<2.00	mg/kg	0.007	0.0233	100		05/15/01	LMP
1,3-Dichlorobenzene	<2.00	mg/kg	0.011	0.0366	100		05/15/01	LMP
1,4-Dichlorobenzene	<2.00	mg/kg	0.013	0.0433	100		05/15/01	LMP
Dichlorodifluoromethane	<2.00	mg/kg	0.017	0.0566	100	CSL LCL DUP	05/15/01	LMP
1,1-Dichloroethane	<2.00	mg/kg	0.006	0.02	100		05/15/01	LMP
1,2-Dichloroethane	<2.00	mg/kg	0.004	0.0133	100		05/15/01	LMP
1,1-Dichloroethylene	<2.00	mg/kg	0.007	0.0233	100		05/15/01	LMP
cis-1,2-Dichloroethylene	<2.00	mg/kg	0.007	0.0233	100		05/15/01	LMP
trans-1,2-Dichloroethylene	<2.00	mg/kg	0.009	0.03	100		05/15/01	LMP
1,2-Dichloropropane	<2.00	mg/kg	0.005	0.0167	100		05/15/01	LMP
1,3-Dichloropropane	<2.00	mg/kg	0.017	0.0566	100		05/15/01	LMP
2,2-Dichloropropane	<2.00	mg/kg	0.012	0.04	100	CSL LCL DUP	05/15/01	LMP
Ethylbenzene	<2.00	mg/kg	0.007	0.0233	100		05/15/01	LMP
Hexachlorobutadiene	<2.00	mg/kg	0.008	0.0266	100		05/15/01	LMP
Isopropylbenzene	<2.00	mg/kg	0.006	0.02	100		05/15/01	LMP
p-Isopropyltoluene	<2.00	mg/kg	0.006	0.02	100		05/15/01	LMP
Methyl t-Butyl Ether(MTBE)	<2.00	mg/kg	0.018	0.0599	100	CSL	05/15/01	LMP
Methylene Chloride	<2.00	mg/kg	0.005	0.0167	100	CSL	05/15/01	LMP
Naphthalene	<2.00	mg/kg	0.018	0.0599	100		05/15/01	LMP
n-Propylbenzene	<2.00	mg/kg	0.004	0.0133	100		05/15/01	LMP
Tetrachloroethylene	322.	mg/kg	0.005	0.0167	500		05/16/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
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TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.22
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G1-S04 Matrix: SOIL Sample Date/Time: 04/30/01 17:05 Lab No. 069841

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<2.00	mg/kg	0.008	0.0266	100		05/15/01	LMP
Toluene	<2.00	mg/kg	0.008	0.0266	100		05/15/01	LMP
1,2,3-Trichlorobenzene	<2.00	mg/kg	0.015	0.05	100		05/15/01	LMP
1,2,4-Trichlorobenzene	<2.00	mg/kg	0.013	0.0433	100		05/15/01	LMP
1,1,1-Trichloroethane	<2.00	mg/kg	0.005	0.0167	100		05/15/01	LMP
1,1,2-Trichloroethane	<2.00	mg/kg	0.004	0.0133	100		05/15/01	LMP
Trichloroethylene	<2.00	mg/kg	0.005	0.0167	100		05/15/01	LMP
Trichlorofluoromethane	<2.00	mg/kg	0.007	0.0233	100		05/15/01	LMP
1,2,4-Trimethylbenzene	<2.00	mg/kg	0.007	0.0233	100		05/15/01	LMP
1,3,5-Trimethylbenzene	<2.00	mg/kg	0.005	0.0167	100		05/15/01	LMP
Vinyl Chloride	<2.00	mg/kg	0.009	0.03	100	CSL LCL	05/15/01	LMP
m- & p-Xylene	<2.00	mg/kg	0.008	0.0266	100		05/15/01	LMP
o-Xylene	<2.00	mg/kg	0.005	0.0167	100		05/15/01	LMP
Bromochloromethane	<2.00	mg/kg	0.014	0.0466	100	CSL LCL	05/15/01	LMP
Bromoform	<2.00	mg/kg	0.011	0.0366	100		05/15/01	LMP
Bromomethane	<2.00	mg/kg	0.012	0.04	100	CSL LCL DUP	05/15/01	LMP
Dibromomethane	<2.00	mg/kg	0.01	0.0333	100		05/15/01	LMP
1,1-Dichloropropene	<2.00	mg/kg	0.004	0.0133	100		05/15/01	LMP
trans-1,3-dichloroprop(yl)e	<2.00	mg/kg	0.006	0.02	100		05/15/01	LMP
Styrene	<2.00	mg/kg	0.004	0.0133	100		05/15/01	LMP
1,1,1,2-Tetrachloroethane	<2.00	mg/kg	0.011	0.0366	100		05/15/01	LMP
1,2,3-Trichloropropane	<2.00	mg/kg	0.011	0.0366	100		05/15/01	LMP
EPA 8310								
Acenaphthene	<0.00748	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.00507	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.0035	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	<0.00302	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	<0.00277	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	<0.00133	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	<0.00145	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	<0.00121	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	<0.00241	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.00169	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	<0.00314	mg/kg	0.0026	0.00866	1		05/12/01	GLS
Fluorene	<0.00422	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00205	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	<0.0035	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.00277	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	<0.0047	mg/kg	0.0039	0.013	1		05/12/01	GLS
Phenanthrene	0.00456	mg/kg	0.0016	0.00533	1	J	05/12/01	GLS
Pyrene	<0.00374	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	82.9	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.23
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G2-S03 Matrix: SOIL Sample Date/Time: 04/30/01 13:50 Lab No. 069842

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.11	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	9.00	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	49.0	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.249	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	16.2	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	26.4	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	13.6	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	33.5	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	1.02	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.124	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0498	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL DUP	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Tetrachloroethylene	0.0944	mg/kg	0.005	0.0167	1		05/15/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.24
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G2-S03 Matrix: SOIL Sample Date/Time: 04/30/01 13:50 Lab No. 069842

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	LCL	05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.00771	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.00522	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.00361	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	<0.00311	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	<0.00286	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	<0.00137	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	<0.00149	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	<0.00124	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	<0.00249	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.00174	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	<0.00323	mg/kg	0.0026	0.00866	1		05/12/01	GLS
Fluorene	<0.00435	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00211	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	<0.00361	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.00286	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	<0.00485	mg/kg	0.0039	0.013	1		05/12/01	GLS
Phenanthrene	<0.00199	mg/kg	0.0016	0.00533	1		05/12/01	GLS
Pyrene	<0.00386	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	80.4	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.25
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G2-S04 Matrix: SOIL Sample Date/Time: 04/30/01 14:00 Lab No. 069843

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.04	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	2.93	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	5.91	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.103	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	4.21	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	8.38	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	4.34	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	6.79	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.397	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.12	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0481	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL DUP	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Tetrachloroethylene	0.0481	mg/kg	0.005	0.0167	1		05/15/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.26
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G2-S04 Matrix: SOIL Sample Date/Time: 04/30/01 14:00 Lab No. 069843

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	LCL	05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.00745	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.00505	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.00349	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	<0.003	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	<0.00276	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	<0.00132	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	<0.00144	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	<0.0012	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	<0.0024	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.00168	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	<0.00313	mg/kg	0.0026	0.00866	1		05/12/01	GLS
Fluorene	<0.00421	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00204	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	<0.00349	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.00276	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	<0.00469	mg/kg	0.0039	0.013	1		05/12/01	GLS
Phenanthrene	<0.00192	mg/kg	0.0016	0.00533	1		05/12/01	GLS
Pyrene	<0.00373	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	83.2	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
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STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.27
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G3-S03 Matrix: SOIL Sample Date/Time: 04/30/01 14:10 Lab No. 069844

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.99	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	5.92	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	101.	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.409	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	15.8	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	23.7	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	11.4	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	28.7	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	0.491	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.117	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0467	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL DUP	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/15/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.28
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G3-S03 Matrix: SOIL Sample Date/Time: 04/30/01 14:10 Lab No. 069844

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	LCL	05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.00724	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.00491	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.00339	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	<0.00292	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	<0.00269	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	<0.00129	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	<0.0014	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	<0.00117	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	<0.00234	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.00164	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	<0.00304	mg/kg	0.0026	0.00866	1		05/12/01	GLS
Fluorene	<0.00409	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00199	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	<0.00339	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.00269	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	<0.00456	mg/kg	0.0039	0.013	1		05/12/01	GLS
Phenanthrene	<0.00187	mg/kg	0.0016	0.00533	1		05/12/01	GLS
Pyrene	<0.00362	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	85.6	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.29
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G3-S04 Matrix: SOIL Sample Date/Time: 04/30/01 14:25 Lab No. 069845

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.88	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	5.07	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	14.4	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.0632	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	12.1	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	12.7	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	5.80	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	14.0	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.366	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.111	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0443	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL DUP	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.30
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G3-S04 Matrix: SOIL Sample Date/Time: 04/30/01 14:25 Lab No. 069845

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	LCL	05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.00687	mg/kg	0.0062	0.0206	1	DUP	05/12/01	GLS
Acenaphthylene	<0.00466	mg/kg	0.0042	0.014	1		05/12/01	GLS
Anthracene	<0.00322	mg/kg	0.0029	0.00966	1		05/12/01	GLS
Benzo(a)Anthracene	<0.00277	mg/kg	0.0025	0.00833	1		05/12/01	GLS
Benzo(a)Pyrene	<0.00255	mg/kg	0.0023	0.00766	1		05/12/01	GLS
Benzo(b)Fluoranthene	<0.00122	mg/kg	0.0011	0.00366	1		05/12/01	GLS
Benzo(k)Fluoranthene	<0.00133	mg/kg	0.0012	0.004	1		05/12/01	GLS
Benzo(ghi)Perylene	<0.00111	mg/kg	0.001	0.00333	1		05/12/01	GLS
Chrysene	<0.00222	mg/kg	0.002	0.00666	1		05/12/01	GLS
Dibenzo(a,h)Anthracene	<0.00155	mg/kg	0.0014	0.00466	1		05/12/01	GLS
Fluoranthene	<0.00288	mg/kg	0.0026	0.00866	1		05/12/01	GLS
Fluorene	<0.00388	mg/kg	0.0035	0.0117	1		05/12/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00188	mg/kg	0.0017	0.00566	1		05/12/01	GLS
1-Methyl Naphthalene	<0.00322	mg/kg	0.0029	0.00966	1	DUP	05/12/01	GLS
2-Methyl Naphthalene	<0.00255	mg/kg	0.0023	0.00766	1	DUP	05/12/01	GLS
Naphthalene	<0.00432	mg/kg	0.0039	0.013	1		05/12/01	GLS
Phenanthrene	<0.00177	mg/kg	0.0016	0.00533	1		05/12/01	GLS
Pyrene	<0.00344	mg/kg	0.0031	0.0103	1		05/12/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/10/01	CKV
MOSA21-2								
Total Solids	90.2	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.31
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G4-S03 Matrix: SOIL Sample Date/Time: 04/30/01 15:10 Lab No. 069846

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.00	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	8.67	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	197.	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	1.11	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	19.4	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	36.4	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	11.5	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	114.	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	1.08	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.118	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0471	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL DUP	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Isopropyl Ether	COMP		0.017	0.0566	-		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.32
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G4-S03 Matrix: SOIL Sample Date/Time: 04/30/01 15:10 Lab No. 069846

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	LCL	05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.0073	mg/kg	0.0062	0.0206	1		05/16/01	GLS
Acenaphthylene	<0.00495	mg/kg	0.0042	0.014	1		05/16/01	GLS
Anthracene	<0.00342	mg/kg	0.0029	0.00966	1		05/16/01	GLS
Benzo(a)Anthracene	<0.00294	mg/kg	0.0025	0.00833	1		05/16/01	GLS
Benzo(a)Pyrene	<0.00271	mg/kg	0.0023	0.00766	1		05/16/01	GLS
Benzo(b)Fluoranthene	<0.0013	mg/kg	0.0011	0.00366	1		05/16/01	GLS
Benzo(k)Fluoranthene	<0.00141	mg/kg	0.0012	0.004	1		05/16/01	GLS
Benzo(ghi)Perylene	<0.00118	mg/kg	0.001	0.00333	1		05/16/01	GLS
Chrysene	<0.00236	mg/kg	0.002	0.00666	1		05/16/01	GLS
Dibenzo(a,h)Anthracene	<0.00165	mg/kg	0.0014	0.00466	1		05/16/01	GLS
Fluoranthene	<0.00306	mg/kg	0.0026	0.00866	1		05/16/01	GLS
Fluorene	<0.00412	mg/kg	0.0035	0.0117	1		05/16/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.002	mg/kg	0.0017	0.00566	1		05/16/01	GLS
1-Methyl Naphthalene	<0.00342	mg/kg	0.0029	0.00966	1		05/16/01	GLS
2-Methyl Naphthalene	<0.00271	mg/kg	0.0023	0.00766	1		05/16/01	GLS
Naphthalene	<0.00459	mg/kg	0.0039	0.013	1		05/16/01	GLS
Phenanthrene	<0.00188	mg/kg	0.0016	0.00533	1		05/16/01	GLS
Pyrene	<0.00365	mg/kg	0.0031	0.0103	1		05/16/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	84.9	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.33
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G4-S04 Matrix: SOIL Sample Date/Time: 04/30/01 15:20 Lab No. 069847

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.08	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	1.39	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	7.47	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.159	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	4.85	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	10.4	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	4.38	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	9.46	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.403	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.122	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0488	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL DUP	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP

All results calculated on a dry weight basis.

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.34
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G4-SO4 Matrix: SOIL Sample Date/Time: 04/30/01 15:20 Lab No. 069847

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	LCL	05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.00757	mg/kg	0.0062	0.0206	1		05/17/01	GLS
Acenaphthylene	<0.00513	mg/kg	0.0042	0.014	1		05/17/01	GLS
Anthracene	<0.00354	mg/kg	0.0029	0.00966	1		05/17/01	GLS
Benzo(a)Anthracene	<0.00305	mg/kg	0.0025	0.00833	1		05/17/01	GLS
Benzo(a)Pyrene	<0.00281	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Benzo(b)Fluoranthene	<0.00134	mg/kg	0.0011	0.00366	1		05/17/01	GLS
Benzo(k)Fluoranthene	<0.00147	mg/kg	0.0012	0.004	1		05/17/01	GLS
Benzo(ghi)Perylene	<0.00122	mg/kg	0.001	0.00333	1		05/17/01	GLS
Chrysene	<0.00244	mg/kg	0.002	0.00666	1		05/17/01	GLS
Dibenzo(a,h)Anthracene	<0.00171	mg/kg	0.0014	0.00466	1		05/17/01	GLS
Fluoranthene	<0.00317	mg/kg	0.0026	0.00866	1		05/17/01	GLS
Fluorene	<0.00427	mg/kg	0.0035	0.0117	1		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00208	mg/kg	0.0017	0.00566	1		05/17/01	GLS
1-Methyl Naphthalene	<0.00354	mg/kg	0.0029	0.00966	1		05/17/01	GLS
2-Methyl Naphthalene	<0.00281	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Naphthalene	<0.00476	mg/kg	0.0039	0.013	1		05/17/01	GLS
Phenanthrene	<0.00195	mg/kg	0.0016	0.00533	1		05/17/01	GLS
Pyrene	<0.00379	mg/kg	0.0031	0.0103	1		05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	81.9	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.35
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G5-S01 Matrix: SOIL Sample Date/Time: 04/30/01 Lab No. 069848

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.87	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	3.98	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	31.5	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.507	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	13.3	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	113.	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	38.2	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	20.8	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.363	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	0.363	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.0771	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL DUP	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Isopropyl Ether	COMP		0.017	0.0566	-		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	0.0334	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.36
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G5-S01 Matrix: SOIL Sample Date/Time: 04/30/01 Lab No. 069848

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Tetrachloroethylene	0.42	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	LCL	05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.0683	mg/kg	0.0062	0.0206	10		05/17/01	GLS
Acenaphthylene	<0.0463	mg/kg	0.0042	0.014	10		05/17/01	GLS
Anthracene	0.0628	mg/kg	0.0029	0.00966	10		05/17/01	GLS
Benzo(a)Anthracene	0.464	mg/kg	0.0025	0.00833	10		05/17/01	GLS
Benzo(a)Pyrene	0.677	mg/kg	0.0023	0.00766	10		05/17/01	GLS
Benzo(b)Fluoranthene	1.08	mg/kg	0.0011	0.00366	10		05/17/01	GLS
Benzo(k)Fluoranthene	0.322	mg/kg	0.0012	0.004	10		05/17/01	GLS
Benzo(ghi)Perylene	0.805	mg/kg	0.001	0.00333	10		05/17/01	GLS
Chrysene	0.446	mg/kg	0.002	0.00666	10		05/17/01	GLS
Dibenzo(a,h)Anthracene	0.0441	mg/kg	0.0014	0.00466	10		05/17/01	GLS
Fluoranthene	0.568	mg/kg	0.0026	0.00866	10		05/17/01	GLS
Fluorene	<0.0382	mg/kg	0.0035	0.0117	10		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	0.848	mg/kg	0.0017	0.00566	10		05/17/01	GLS
1-Methyl Naphthalene	<0.0319	mg/kg	0.0029	0.00966	10		05/17/01	GLS
2-Methyl Naphthalene	<0.0253	mg/kg	0.0023	0.00766	10		05/17/01	GLS
Naphthalene	<0.043	mg/kg	0.0039	0.013	10		05/17/01	GLS
Phenanthrene	0.194	mg/kg	0.0016	0.00533	10		05/17/01	GLS
Pyrene	0.637	mg/kg	0.0031	0.0103	10		05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	90.8	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.37
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G5-S03 Matrix: SOIL Sample Date/Time: 04/30/01 Lab No. 069849

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.04	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	4.07	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	32.7	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.886	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	12.3	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	90.7	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	38.1	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	19.8	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.395	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.12	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.079	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
sec-Butylbenzene	0.0701	mg/kg	0.004	0.0133	1		05/13/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/13/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/13/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL	05/13/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/13/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/13/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/13/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/13/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	LCL DUP	05/13/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/13/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/13/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/13/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/13/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/13/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Tetrachloroethylene	0.112	mg/kg	0.005	0.0167	1		05/13/01	LMP

All results calculated on a dry weight basis.

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Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.38
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-G5-S03 Matrix: SOIL Sample Date/Time: 04/30/01 Lab No. 069849

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/13/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/13/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1	LCL	05/13/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/13/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/13/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/13/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/13/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/13/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/13/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/13/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/13/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/13/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/13/01	LMP
EPA 8310								
Acenaphthene	<0.0743	mg/kg	0.0062	0.0206	10		05/17/01	GLS
Acenaphthylene	<0.0503	mg/kg	0.0042	0.014	10		05/17/01	GLS
Anthracene	<0.0347	mg/kg	0.0029	0.00966	10		05/17/01	GLS
Benzo(a)Anthracene	0.108	mg/kg	0.0025	0.00833	10		05/17/01	GLS
Benzo(a)Pyrene	0.172	mg/kg	0.0023	0.00766	10		05/17/01	GLS
Benzo(b)Fluoranthene	0.325	mg/kg	0.0011	0.00366	10		05/17/01	GLS
Benzo(k)Fluoranthene	0.0965	mg/kg	0.0012	0.004	10		05/17/01	GLS
Benzo(ghi)Perylene	0.326	mg/kg	0.001	0.00333	10		05/17/01	GLS
Chrysene	0.11	mg/kg	0.002	0.00666	10		05/17/01	GLS
Dibenzo(a,h)Anthracene	0.402	mg/kg	0.0014	0.00466	10		05/17/01	GLS
Fluoranthene	0.125	mg/kg	0.0026	0.00866	10		05/17/01	GLS
Fluorene	<0.0419	mg/kg	0.0035	0.0117	10		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	0.327	mg/kg	0.0017	0.00566	10		05/17/01	GLS
1-Methyl Naphthalene	<0.0347	mg/kg	0.0029	0.00966	10		05/17/01	GLS
2-Methyl Naphthalene	<0.0275	mg/kg	0.0023	0.00766	10		05/17/01	GLS
Naphthalene	<0.0467	mg/kg	0.0039	0.013	10		05/17/01	GLS
Phenanthrene	0.0423	mg/kg	0.0016	0.00533	10		05/17/01	GLS
Pyrene	0.157	mg/kg	0.0031	0.0103	10		05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	83.5	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

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STS Consultants Ltd.
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Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.39
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B05-S01 Matrix: SOIL Sample Date/Time: 04/30/01 16:43 Lab No. 069850

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.88	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	4.58	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	37.4	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.255	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	9.05	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	45.5	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	22.2	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	9.99	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.366	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.111	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0443	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1	SL	05/15/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/15/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/15/01	LMP
n-Butylbenzene	0.174	mg/kg	0.005	0.0167	1	SL	05/15/01	LMP
sec-Butylbenzene	0.121	mg/kg	0.004	0.0133	1	SL	05/15/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1	SL	05/15/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/15/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1	SL	05/15/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/15/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/15/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/15/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/15/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/15/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/15/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/15/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/15/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/15/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/15/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/15/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/15/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/15/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/15/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/15/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/15/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/15/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/15/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/15/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/15/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1	SL	05/15/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/15/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1	SL	05/15/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1	SL	05/15/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL SL	05/15/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/15/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1	SL	05/15/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1	SL	05/15/01	LMP
Tetrachloroethylene	0.327	mg/kg	0.005	0.0167	1		05/15/01	LMP

All results calculated on a dry weight basis.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.40
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B05-S01 Matrix: SOIL Sample Date/Time: 04/30/01 16:43 Lab No. 069850

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/15/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1	SL	05/15/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/15/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/15/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/15/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/15/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/15/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/15/01	LMP
1,2,4-Trimethylbenzene	0.0452	mg/kg	0.007	0.0233	1	SL	05/15/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1	SL	05/15/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/15/01	LMP
m- & p-Xylene	0.0341	mg/kg	0.008	0.0266	1	SL	05/15/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1	SL	05/15/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/15/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/15/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/15/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/15/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/15/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/15/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1	SL	05/15/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/15/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/15/01	LMP
EPA 8310								
Acenaphthene	<0.00687	mg/kg	0.0062	0.0206	1		05/17/01	GLS
Acenaphthylene	<0.00466	mg/kg	0.0042	0.014	1		05/17/01	GLS
Anthracene	<0.00322	mg/kg	0.0029	0.00966	1		05/17/01	GLS
Benzo(a)Anthracene	0.0122	mg/kg	0.0025	0.00833	1		05/17/01	GLS
Benzo(a)Pyrene	0.0142	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Benzo(b)Fluoranthene	0.0312	mg/kg	0.0011	0.00366	1		05/17/01	GLS
Benzo(k)Fluoranthene	0.00965	mg/kg	0.0012	0.004	1		05/17/01	GLS
Benzo(ghi)Perylene	0.00831	mg/kg	0.001	0.00333	1		05/17/01	GLS
Chrysene	0.0106	mg/kg	0.002	0.00666	1		05/17/01	GLS
Dibenzo(a,h)Anthracene	0.0367	mg/kg	0.0014	0.00466	1		05/17/01	GLS
Fluoranthene	0.0366	mg/kg	0.0026	0.00866	1		05/17/01	GLS
Fluorene	<0.00388	mg/kg	0.0035	0.0117	1		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	0.0171	mg/kg	0.0017	0.00566	1		05/17/01	GLS
1-Methyl Naphthalene	<0.00322	mg/kg	0.0029	0.00966	1		05/17/01	GLS
2-Methyl Naphthalene	<0.00255	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Naphthalene	<0.00432	mg/kg	0.0039	0.013	1		05/17/01	GLS
Phenanthrene	0.0162	mg/kg	0.0016	0.00533	1		05/17/01	GLS
Pyrene	0.0314	mg/kg	0.0031	0.0103	1		05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	90.2	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.41
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B05-S02 Matrix: SOIL Sample Date/Time: 04/30/01 16:50 Lab No. 069851

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.98	mg/kg	1.7	5.66	1		05/21/01	BMS
Total Arsenic	7.30	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	66.7	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.256	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	12.3	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	18.0	mg/kg	0.13	0.433	1		05/17/01	BMS
Total Lead	9.91	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	17.8	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.384	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.116	mg/kg	0.1	0.333	1	LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0466	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1	SL	05/15/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/15/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/15/01	LMP
n-Butylbenzene	0.319	mg/kg	0.005	0.0167	1	SL	05/15/01	LMP
sec-Butylbenzene	0.166	mg/kg	0.004	0.0133	1	SL	05/15/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1	SL	05/15/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/15/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1	SL	05/15/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/15/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/15/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/15/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/15/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/15/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/15/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/15/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/15/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/15/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/15/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/15/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/15/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/15/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/15/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/15/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/15/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/15/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/15/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/15/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/15/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1	SL	05/15/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/15/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1	SL	05/15/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1	SL	05/15/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL SL	05/15/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/15/01	LMP
Naphthalene	0.0828	mg/kg	0.018	0.0599	1		05/15/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1	SL	05/15/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/15/01	LMP

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI-53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.42
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B05-S02 Matrix: SOIL Sample Date/Time: 04/30/01 16:50 Lab No. 069851

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/15/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1	SL	05/15/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/15/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/15/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/15/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/15/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/15/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/15/01	LMP
1,2,4-Trimethylbenzene	0.064	mg/kg	0.007	0.0233	1	SL	05/15/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1	SL	05/15/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/15/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1	SL	05/15/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1	SL	05/15/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL LCL	05/15/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/15/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL DUP	05/15/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/15/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/15/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/15/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1	SL	05/15/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/15/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/15/01	LMP
EPA 8310								
Acenaphthene	<0.00722	mg/kg	0.0062	0.0206	1		05/17/01	GLS
Acenaphthylene	<0.00489	mg/kg	0.0042	0.014	1		05/17/01	GLS
Anthracene	0.0111	mg/kg	0.0029	0.00966	1		05/17/01	GLS
Benzo(a)Anthracene	0.0115	mg/kg	0.0025	0.00833	1		05/17/01	GLS
Benzo(a)Pyrene	0.00808	mg/kg	0.0023	0.00766	1	J	05/17/01	GLS
Benzo(b)Fluoranthene	0.0136	mg/kg	0.0011	0.00366	1		05/17/01	GLS
Benzo(k)Fluoranthene	0.0126	mg/kg	0.0012	0.004	1		05/17/01	GLS
Benzo(ghi)Perylene	0.012	mg/kg	0.001	0.00333	1		05/17/01	GLS
Chrysene	0.0105	mg/kg	0.002	0.00666	1		05/17/01	GLS
Dibenzo(a,h)Anthracene	0.0253	mg/kg	0.0014	0.00466	1		05/17/01	GLS
Fluoranthene	0.032	mg/kg	0.0026	0.00866	1		05/17/01	GLS
Fluorene	<0.00407	mg/kg	0.0035	0.0117	1		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	0.00853	mg/kg	0.0017	0.00566	1		05/17/01	GLS
1-Methyl Naphthalene	<0.00338	mg/kg	0.0029	0.00966	1		05/17/01	GLS
2-Methyl Naphthalene	0.00303	mg/kg	0.0023	0.00766	1	J	05/17/01	GLS
Naphthalene	<0.00454	mg/kg	0.0039	0.013	1		05/17/01	GLS
Phenanthrene	0.035	mg/kg	0.0016	0.00533	1		05/17/01	GLS
Pyrene	0.0315	mg/kg	0.0031	0.0103	1		05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	85.9	%	0.33	1.1	-		05/03/01	LMV

All results calculated on a dry weight basis.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

Attn: Lanette Altenbach

PROJECT NO.: 86415-XB
REPORT NO. : 069832.43
DATE REC'D : 05/02/01
REPORT DATE: 05/22/01
PREPARED BY: JRS

Qualifier Descriptions

LCL	The laboratory control sample for this analyte exibited a low bias. Sample results may also be biased low.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
DUP	Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.
J	Estimated concentration below laboratory quantitation level.
LCH	The laboratory control sample for this analyte exibited a high bias. Sample results may also be biased high.
SL	Surrogate recovery was low. Result for sample may be biased low.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Receipt Report

Client: STS - Milwaukee Office Date Received: 5/2/01

Analytical No.: 19069832 Through 19069851

Check all deviations from EPA or WDNR sample protocol.

[ ] Sample(s) received at ____°C which is above the EPA and WDNR limit of 4°C.

[ ] VOC vial(s) received with headspace. Explain: _____

_____

[ ] Sample(s) received in bottles not furnished by Enviroscan. Preservation method, if used, is unknown.

[ ] Sample(s) not properly preserved per EPA/WDNR protocol for the following: _____

_____

[ ] Sample(s) received beyond EPA holding time for: _____

_____

[ ] Sample date/time not supplied by client. Actual holding time unknown.

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) are <19.5 gms and this report is the flag for that information. Sample(s) under-weight:_____

_____

[ ] GRO/PVOC/VOC (circle appropriate) sample(s) were between 26.4-35.4 gms so methanol was added in a 1:1 ratio. Sample(s) included: 19069832 +4mL, 69833 +5mL, 69834 +2mL, 69835 +10, 69836 +7, 69837 +5 69838 +9, 69839 +9, 69841 +4, 69842 +3, 69843 +7, 69844 +5, 69845 +10, 69846 +6, 69847 +3 69849 +4, 69850 +6, 69851 +6,

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) were >35.4 gms and are required to be rejected. Sample(s) included:_____

[ ] Other: _____

_____

Client contact concerning the above deviations:

Client _____ (contact name) notified of the above deviation(s) on __/__/__ at ___:___ am/pm by _____ and the client ordered:
(signature)

[ ] Proceed with analyses as ordered.

[ ] Proceed with analyses after taking the following corrective action: _____

_____

[ ] Do NOT proceed with analyses.

Chain of Custody Record

№ 33252

RECORD NUMBER _____ THROUGH _____

Contact Person LANETTE ALDENBACH
Phone No. 414-577-1363 Office STS - MILW
Project No. 86915-XB PO No. 7061-4
Project Name CITY OF KENOSHA

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

Laboratory US Filter
Contact Person Eric Martin
Phone No. 800-338-7226
Results Due std.

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
CL-B01-S02	4/30	10:00	✓		3	Soil	✓	✓					Metals, VOCs, PAH, ~~PCBs~~ 8021 SVL DRO	19069832 Ag As Ba
CL-B01-S03	4/30	11:05	✓		3	"	✓	✓					"	19069833 Cd
CL-B02-S02	"	12:05	✓		~~4~~ 3	"	✓	✓					"	19069834 Cr
CL-B02-S01	"	12:15	✓		~~4~~ 3	"	✓	✓					"	19069835 Hg
CL-B03-S02	"	14:10	✓		3	"	✓	✓					"	19069836 Pb
CL-B03-S03	"	14:15	✓		4	"	✓	✓					"	19069837 Sb
CL-B04-~~S02~~	"	15:30	✓		3	"	✓	✓					"	19069838 Se
CL-B04-S04	"	15:40	✓		3	"	✓	✓					"	19069839 Ag

Collected by: Gary M. Brown	Date 4/30/01	Time 17:55	Delivery by: Dunham	Date 5-1-01	Time
Received by: Donna Volk	Date 5/1/01	Time 10:00	Relinquished by: Donna Volk	Date 5-1-01	Time 10:00
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Lou Lucio	Date 5-2-01	Time 10:35	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A When list → 4 sample containers, TS plastic container included.

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

CHAIN OF CUSTODY RECORD

№ 33253

RECORD NUMBER _____ THROUGH _____

Contact Person Lanette Altenbach
Phone No. 414-577-1363 Office STS - Milwaukee
Project No. 86415 XB PO No.
Project Name City of Kenosha

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

Laboratory US Filter
Contact Person Eric Martin
Phone No. 800-338-7226
Results Due std.

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
														Custody seal on cooler
CL-61-S03	4/30	17:00	✓		4	Soil	✓	✓					metals, VOCs, PAH, ~~PCB~~ DRW	19069840 Rec'd intact 5-2-01 SMA
CL-61-S04	"	17:05	✓		4	"	✓	✓						19069841
CL-62-S03	"	13:50	✓		4	"	✓	✓						19069842
CL-62-S04	"	14:00	✓		4	"	✓	✓						19069843
CL-63-S03	"	14:10	✓		4	"	✓	✓						19069844
CL-63-S04	"	14:25	✓		4	"	✓	✓						19069845
CL-64-S03	"	15:10	✓		4	"	✓	✓						19069846
CL-64-S04	"	15:20	✓		4	"	✓	✓						19069847

Collected by: Adam Elgin	Date 4-30-01	Time 17:15	Delivery by: Donham	Date 5-1-01	Time
Received by: Donna Volk	Date 5-1-01	Time 10:00	Relinquished by: Donna Volk	Date 5-1-01	Time 10:00
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: [signature]	Date 5-2-01	Time 10:35	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A Received on Ice

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

CHAIN OF CUSTODY RECORD

№ 33247

RECORD NUMBER _____ THROUGH _____

Contact Person Lanette Altenbach
Phone No. 414-577-1363 Office STS-Milwaukee
Project No. 86415 xB PO No. _____
Project Name City of Kenosha

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

Laboratory US Filter
Contact Person Eric Martin
Phone No. 800-338-7226
Results Due std.

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
CL-G5-S01	4/30		✓		4	Soil	✓	✓					metals, VOCs, PAH, ~~PCBs~~ DRO	19069848
CL-G5-S03	"		✓		4	"	✓	✓					" " " "	19069849
CL-B05-S01	"	16:43	✓		4	"	✓	✓						19069850
~~CL-B05-S05~~	~~"~~	~~16:45~~	~~✓~~		~~1~~	~~"~~	~~✓~~							
CL-B05-S02	"	16:50	✓		3	"	✓	✓						19069851

Collected by: Adam Florin	Date 4-30-01	Time 17:30	Delivery by: Donham	Date 5-1-01	Time
Received by: Donna Volk	Date 5-1-01	Time 10:00	Relinquished by: Donna Volk	Date 5-1-01	Time 10:00
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Lou Sui	Date 5-2-01	Time 10:35	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A Record on Ice

Final Disposition:

Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 715-359-7226
FACSIMILE 715-355-3221

May 30, 2001

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

Attn: Lanette Altenbach

REPORT NO.: 070153 **PROJECT NO.: 86415-XB**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received May 4, 2001.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

James R. Salkowski

James R. Salkowski
Laboratory Director

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Release of this Final Report is authorized as verified by the following signature.

Approved by: Eric P. Martin

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

070153.2

Lab Id	Client Sample ID	Date/Time	Matrix
070153	CL-B07-S02	05/02/01 09:30	SOIL
070154	CL-B09-S03	05/02/01 10:55	SOIL
070155	CL-B11-S01	05/02/01 11:50	SOIL
070156	CL-B15-S03	05/02/01 12:40	SOIL

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING: All samples submitted were completed for all analyses requested (Completeness = 100%). Deviations in precision and accuracy are noted with the appropriate qualifiers for that analyte on the following report pages.

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 070153.3
DATE REC'D : 05/04/01
REPORT DATE: 05/30/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B07-S02 Matrix: SOIL Sample Date/Time: 05/02/01 09:30 Lab No. 070153

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.97	mg/kg	-	1.7	1		05/18/01	BMS
Total Arsenic	5.06	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	50.8	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.22	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	6.96	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	6.79	mg/kg	0.13	0.433	1	DUP	05/17/01	BMS
Total Lead	7.77	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	10.2	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	0.544	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.116	mg/kg	0.1	0.333	1	SPL DUP LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0463	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 070153.4
DATE REC'D : 05/04/01
REPORT DATE: 05/30/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B07-S02 Matrix: SOIL Sample Date/Time: 05/02/01 09:30 Lab No. 070153

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/14/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
cis-1,3-Dichloroprop(yl)ene	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.00718	mg/kg	0.0062	0.0206	1	DUP	05/24/01	GLS
Acenaphthylene	<0.00486	mg/kg	0.0042	0.014	1		05/24/01	GLS
Anthracene	<0.00336	mg/kg	0.0029	0.00966	1		05/24/01	GLS
Benzo(a)Anthracene	0.00389	mg/kg	0.0025	0.00833	1	J	05/24/01	GLS
Benzo(a)Pyrene	0.00363	mg/kg	0.0023	0.00766	1	J	05/24/01	GLS
Benzo(b)Fluoranthene	0.00704	mg/kg	0.0011	0.00366	1		05/24/01	GLS
Benzo(k)Fluoranthene	<0.00139	mg/kg	0.0012	0.004	1		05/24/01	GLS
Benzo(ghi)Perylene	0.00242	mg/kg	0.001	0.00333	1	J	05/24/01	GLS
Chrysene	0.00469	mg/kg	0.002	0.00666	1	J	05/24/01	GLS
Dibenzo(a,h)Anthracene	<0.00162	mg/kg	0.0014	0.00466	1		05/24/01	GLS
Fluoranthene	0.0177	mg/kg	0.0026	0.00866	1		05/24/01	GLS
Fluorene	<0.00405	mg/kg	0.0035	0.0117	1		05/24/01	GLS
Indeno(1,2,3-cd)Pyrene	0.00731	mg/kg	0.0017	0.00566	1		05/24/01	GLS
1-Methyl Naphthalene	<0.00336	mg/kg	0.0029	0.00966	1		05/24/01	GLS
2-Methyl Naphthalene	<0.00266	mg/kg	0.0023	0.00766	1		05/24/01	GLS
Naphthalene	<0.00451	mg/kg	0.0039	0.013	1		05/24/01	GLS
Phenanthrene	0.0116	mg/kg	0.0016	0.00533	1		05/24/01	GLS
Pyrene	0.0105	mg/kg	0.0031	0.0103	1	J	05/24/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/16/01	CKV
MOSA21-2								
Total Solids	86.4	%	-	0.33	-		05/09/01	JJP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 070153.5
DATE REC'D : 05/04/01
REPORT DATE: 05/30/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B09-S03 Matrix: SOIL Sample Date/Time: 05/02/01 10:55 Lab No. 070154

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.05	mg/kg	-	1.7	1		05/18/01	BMS
Total Arsenic	3.27	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	41.3	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.104	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	14.5	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	15.5	mg/kg	0.13	0.433	1	DUP	05/17/01	BMS
Total Lead	71.1	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	12.7	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.398	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.12	mg/kg	0.1	0.333	1	SPL DUP LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0482	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 070153.6
DATE REC'D : 05/04/01
REPORT DATE: 05/30/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B09-S03 Matrix: SOIL Sample Date/Time: 05/02/01 10:55 Lab No. 070154

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,2,4-Trimethylbenzene	0.0342	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/14/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
cis-1,3-Dichloroprop(yl)ene	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.0747	mg/kg	0.0062	0.0206	10	DUP	05/24/01	GLS
Acenaphthylene	<0.0506	mg/kg	0.0042	0.014	10		05/24/01	GLS
Anthracene	0.173	mg/kg	0.0029	0.00966	10		05/24/01	GLS
Benzo(a)Anthracene	0.242	mg/kg	0.0025	0.00833	10		05/24/01	GLS
Benzo(a)Pyrene	0.249	mg/kg	0.0023	0.00766	10		05/24/01	GLS
Benzo(b)Fluoranthene	0.292	mg/kg	0.0011	0.00366	10		05/24/01	GLS
Benzo(k)Fluoranthene	0.131	mg/kg	0.0012	0.004	10		05/24/01	GLS
Benzo(ghi)Perylene	0.181	mg/kg	0.001	0.00333	10		05/24/01	GLS
Chrysene	0.2	mg/kg	0.002	0.00666	10		05/24/01	GLS
Dibenzo(a,h)Anthracene	0.128	mg/kg	0.0014	0.00466	10		05/24/01	GLS
Fluoranthene	0.801	mg/kg	0.0026	0.00866	10		05/24/01	GLS
Fluorene	<0.0422	mg/kg	0.0035	0.0117	10		05/24/01	GLS
Indeno(1,2,3-cd)Pyrene	0.198	mg/kg	0.0017	0.00566	10		05/24/01	GLS
1-Methyl Naphthalene	<0.0349	mg/kg	0.0029	0.00966	10		05/24/01	GLS
2-Methyl Naphthalene	<0.0277	mg/kg	0.0023	0.00766	10		05/24/01	GLS
Naphthalene	<0.047	mg/kg	0.0039	0.013	10		05/24/01	GLS
Phenanthrene	0.665	mg/kg	0.0016	0.00533	10		05/24/01	GLS
Pyrene	0.199	mg/kg	0.0031	0.0103	10		05/24/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/16/01	CKV
MOSA21-2								
Total Solids	83.0	%	-	0.33	-		05/09/01	JJP

All results calculated on a dry weight basis.

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11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 070153.7
DATE REC'D : 05/04/01
REPORT DATE: 05/30/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B11-S01 Matrix: SOIL Sample Date/Time: 05/02/01 11:50 Lab No. 070155

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.89	mg/kg	-	1.7	1		05/18/01	BMS
Total Arsenic	4.11	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	20.4	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.211	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	15.1	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	34.3	mg/kg	0.13	0.433	1	DUP	05/17/01	BMS
Total Lead	20.9	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	17.2	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.367	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.111	mg/kg	0.1	0.333	1	SPL DUP LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0444	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Tetrachloroethylene	0.737	mg/kg	0.005	0.0167	1		05/14/01	LMP

All results calculated on a dry weight basis.

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FACSIMILE 715-355-3221

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11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 070153.8
DATE REC'D : 05/04/01
REPORT DATE: 05/30/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B11-S01 Matrix: SOIL Sample Date/Time: 05/02/01 11:50 Lab No. 070155

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/14/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
cis-1,3-Dichloroprop(yl)ene	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.0689	mg/kg	0.0062	0.0206	10	DUP	05/24/01	GLS
Acenaphthylene	<0.0467	mg/kg	0.0042	0.014	10		05/24/01	GLS
Anthracene	<0.0322	mg/kg	0.0029	0.00966	10		05/24/01	GLS
Benzo(a)Anthracene	<0.0278	mg/kg	0.0025	0.00833	10		05/24/01	GLS
Benzo(a)Pyrene	0.0439	mg/kg	0.0023	0.00766	10		05/24/01	GLS
Benzo(b)Fluoranthene	0.0753	mg/kg	0.0011	0.00366	10		05/24/01	GLS
Benzo(k)Fluoranthene	0.0356	mg/kg	0.0012	0.004	10		05/24/01	GLS
Benzo(ghi)Perylene	0.0294	mg/kg	0.001	0.00333	10		05/24/01	GLS
Chrysene	0.0333	mg/kg	0.002	0.00666	10		05/24/01	GLS
Dibenzo(a,h)Anthracene	<0.0156	mg/kg	0.0014	0.00466	10		05/24/01	GLS
Fluoranthene	0.0587	mg/kg	0.0026	0.00866	10		05/24/01	GLS
Fluorene	<0.0389	mg/kg	0.0035	0.0117	10		05/24/01	GLS
Indeno(1,2,3-cd)Pyrene	0.0429	mg/kg	0.0017	0.00566	10		05/24/01	GLS
1-Methyl Naphthalene	<0.0322	mg/kg	0.0029	0.00966	10		05/24/01	GLS
2-Methyl Naphthalene	<0.0256	mg/kg	0.0023	0.00766	10		05/24/01	GLS
Naphthalene	<0.0433	mg/kg	0.0039	0.013	10		05/24/01	GLS
Phenanthrene	0.0531	mg/kg	0.0016	0.00533	10		05/24/01	GLS
Pyrene	0.0637	mg/kg	0.0031	0.0103	10		05/24/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/16/01	CKV
MOSA21-2								
Total Solids	90.0	%	-	0.33	-		05/09/01	JJP

All results calculated on a dry weight basis.

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Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 070153.9
DATE REC'D : 05/04/01
REPORT DATE: 05/30/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B15-S03 Matrix: SOIL Sample Date/Time: 05/02/01 12:40 Lab No. 070156

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.32	mg/kg	-	1.7	1		05/18/01	BMS
Total Arsenic	2.02	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	69.7	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.559	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	12.1	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	19.1	mg/kg	0.13	0.433	1	DUP	05/17/01	BMS
Total Lead	8.09	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	9.75	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	0.982	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.136	mg/kg	0.1	0.333	1	SPL DUP LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.0832	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1.1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1.1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1.1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1.1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1.1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1.1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1.1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1.1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1.1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1.1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1.1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1.1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1.1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1.1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1.1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1.1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1.1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1.1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1.1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1.1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1.1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1.1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1.1		05/14/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1.1		05/14/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1.1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1.1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1.1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1.1	CSL LCL	05/14/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1.1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1.1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1.1		05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1.1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1.1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1.1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1.1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1.1		05/14/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1.1		05/14/01	LMP

All results calculated on a dry weight basis.

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STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 070153.10
DATE REC'D : 05/04/01
REPORT DATE: 05/30/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-B15-S03 Matrix: SOIL Sample Date/Time: 05/02/01 12:40 Lab No. 070156

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1.1		05/14/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1.1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1.1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1.1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1.1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1.1		05/14/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1.1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1.1		05/14/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1.1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1.1		05/14/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1.1	CSL LCL	05/14/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1.1		05/14/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1.1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1.1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1.1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1.1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1.1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1.1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1.1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1.1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1.1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1.1		05/14/01	LMP
cis-1,3-Dichloroprop(yl)ene	<0.025	mg/kg	0.016	0.0533	1.1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.00846	mg/kg	0.0062	0.0206	1	DUP	05/25/01	GLS
Acenaphthylene	<0.00573	mg/kg	0.0042	0.014	1		05/25/01	GLS
Anthracene	<0.00396	mg/kg	0.0029	0.00966	1		05/25/01	GLS
Benzo(a)Anthracene	<0.00341	mg/kg	0.0025	0.00833	1		05/25/01	GLS
Benzo(a)Pyrene	<0.00314	mg/kg	0.0023	0.00766	1		05/25/01	GLS
Benzo(b)Fluoranthene	<0.0015	mg/kg	0.0011	0.00366	1		05/25/01	GLS
Benzo(k)Fluoranthene	<0.00164	mg/kg	0.0012	0.004	1		05/25/01	GLS
Benzo(ghi)Perylene	<0.00136	mg/kg	0.001	0.00333	1		05/25/01	GLS
Chrysene	<0.00273	mg/kg	0.002	0.00666	1		05/25/01	GLS
Dibenzo(a,h)Anthracene	<0.00191	mg/kg	0.0014	0.00466	1		05/25/01	GLS
Fluoranthene	0.0057	mg/kg	0.0026	0.00866	1	J	05/25/01	GLS
Fluorene	<0.00477	mg/kg	0.0035	0.0117	1		05/25/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00232	mg/kg	0.0017	0.00566	1		05/25/01	GLS
1-Methyl Naphthalene	<0.00396	mg/kg	0.0029	0.00966	1		05/25/01	GLS
2-Methyl Naphthalene	<0.00314	mg/kg	0.0023	0.00766	1		05/25/01	GLS
Naphthalene	<0.00532	mg/kg	0.0039	0.013	1		05/25/01	GLS
Phenanthrene	0.0117	mg/kg	0.0016	0.00533	1		05/25/01	GLS
Pyrene	0.00714	mg/kg	0.0031	0.0103	1	J	05/25/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/16/01	CKV
MOSA21-2								
Total Solids	73.3	%	-	0.33	-		05/09/01	JJP

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

Attn: Lanette Altenbach

PROJECT NO.: 86415-XB
REPORT NO. : 070153.11
DATE REC'D : 05/04/01
REPORT DATE: 05/30/01
PREPARED BY: JRS

Qualifier Descriptions

DUP	Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.
SPL	Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.
LCL	The laboratory control sample for this analyte exibited a low bias. Sample results may also be biased low.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
J	Estimated concentration below laboratory quantitation level.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7225
FACSIMILE 715-355-3217

Sample Receipt Report

Client: STS milwaukee Date Received: 5/4/01

Analytical No.: 50070153 Through 50070156

Check all deviations from EPA or WDNR sample protocol.

[ ] Sample(s) received at ____°C which is above the EPA and WDNR limit of 4°C.

[ ] VOC vial(s) received with headspace. Explain: _____

_____

[ ] Sample(s) received in bottles not furnished by Enviroscan. Preservation method, if used, is unknown.

[ ] Sample(s) not properly preserved per EPA/WDNR protocol for the following: _____

_____

[ ] Sample(s) received beyond EPA holding time for: _____

_____

[ ] Sample date/time not supplied by client. Actual holding time unknown.

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) are <19.5 gms and this report is the flag for that information. Sample(s) under-weight:_____

_____

[ ] GRO/PVOC/VOC (circle appropriate) sample(s) were between 26.4-35.4 gms so methanol was added in a 1:1 ratio. Sample(s) included: 50070153 +4ml, 70154 +3ml, 70155 +3ml, _____

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) were >35.4 gms and are required to be rejected. Sample(s) included:_____

[ ] Other: _____

_____

Client contact concerning the above deviations:

Client _____ (contact name) notified of the above deviation(s) on __/__/__ at ___:___ am/pm by _____ and the client ordered:
(signature)

[ ] Proceed with analyses as ordered.

[ ] Proceed with analyses after taking the following corrective action: _____

_____

[ ] Do NOT proceed with analyses.

CHAIN OF CUSTODY RECORD

№ 33272

RECORD NUMBER _____ THROUGH _____

Contact Person LANETTE ALTENBACH
Phone No. 414-359-3030 Office STS - MILW.
Project No. 86915-XB PO No. _____
Project Name C & L INDUSTRIAL CLEANERS

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

Laboratory U.S FILTER
Contact Person _____
Phone No. 715-359-7226
Results Due _____

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
CL-B07-502	5/2/01	0930	✓		3	SOIL	1	2	50070153				Metals, PAHs, PCBs, VOCs	
CL-B09-503	"	10:55	✓		3	"	1	2	50070154					
CL-B11-501	"	1150	✓		3	"	1	2	50070155					
CL-B15-503	"	1240	✓		3	"	1	2	50070156					

Do not test for PCB per phone message from Donna Volk 5-4-01 9:50AM SMA

Collected by: Gary M. Braun	Date 5/2/01	Time 1300	Delivery by: Gary M. Braun	Date 5/3/01	Time 0900
Received by: Dunham's Express to Lab	Date 5/3/01	Time N/A	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Ste Anderson	Date 5-4-01	Time 1000	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☑ Yes ☐ No ☐ N/A ice

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):
	Rec'd cooler w/ custody seals intact

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 715-359-7226
FACSIMILE 715-355-3221

June 6, 2001

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

Attn: Lanette Altenbach

REPORT NO.: 070021(REVISED-6/20/01) **PROJECT NO.: 86415XB**

Please find enclosed the REVISED analytical report, including the Sample Summary and Sample Narrative for your sample set received May 3, 2001. The report was revised to include a narrative on the duplicate result reporting.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

Gary L. Scharrer
Organic Laboratory Supervisor

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Release of this Final Report is authorized as verified by the following signature.

Approved by: James R. Salkowski

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

070021.2

Lab Id	Client Sample		Matrix
070021	CL-G1-W010501	- No Isopropyl ether	WATER
070022	CL-G2-W010501	- No	WATER
070023	CL-G3-W010501	- No	WATER
070024	CL-G4-W010501	- No	WATER
070025	CL-G5-W010501	- No	WATER
070026	CL-G2-D010501	- No	WATER
070027	CL-G3-B010501	- No	WATER
070028	CL-B06-501	~~No~~ Yes - detected at 0.255	SOIL
070029	CL-B06-S02	- No	SOIL
070030	CL-B12-S03	- No	SOIL
070031	CL-B16-S03	- <0.025	SOIL
070032	CL-B17-S02	- <0.025	SOIL
070033	CL-B17-S03	- <0.025	SOIL

888-964-4700

LOGIN:

GENERAL:

ANALYSES:

QA/QC:
The non-diluted results reported for samples 70022-26 were obtained from open vials. Due to a high sample detect, instrument contamination, and over dilution, the original sample vials were consumed. The open vial results can be used to confirm the higher diluted results.

REPORTING: All samples submitted were completed for all analyses requested (Completeness = 100%). Deviations in precision and accuracy are noted with the appropriate qualifiers for that analyted on the following report pages.

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.3
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G1-W010501 Matrix: WATER Sample Date/Time: 05/01/01 09:30 Lab No. 070021

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		05/25/01	JCH
Total Arsenic	4.90	µg/l	2.4	7.99	1	DUP	05/22/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/24/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1	SPH	05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1	SPL	05/24/01	JCH
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/08/01	JCH
EPA 3020								
Furnace Metal Prep	COMP		-	-	1		05/14/01	JCH
EPA 6010								
Total Barium	11.	µg/l	2.	6.7	1		05/15/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/15/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/15/01	BMS
Total Nickel	4.	µg/l	3.	10.	1	J	05/15/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/15/01	BMS
EPA 8260								
Benzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Bromobenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Bromochloromethane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Bromodichloromethane	<60.0	µg/l	0.06	0.2	1000		05/14/01	MPM
Bromoform	<70.0	µg/l	0.07	0.233	1000		05/14/01	MPM
Bromomethane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
n-Butylbenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
sec-Butylbenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
tert-Butylbenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Carbon Tetrachloride	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Chlorobenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Chloroethane	<500.	µg/l	0.5	1.67	1000		05/14/01	MPM
Chloroform	<60.0	µg/l	0.06	0.2	1000		05/14/01	MPM
Chloromethane	<170.	µg/l	0.17	0.566	1000		05/14/01	MPM
2-Chlorotoluene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
4-Chlorotoluene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Dibromochloromethane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Dibromochloropropane(DBCP)	<250.	µg/l	0.25	0.833	1000	CSH	05/14/01	MPM
1,2-Dibromoethane(EDB)	<60.0	µg/l	0.06	0.2	1000		05/14/01	MPM
Dibromomethane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,2-Dichlorobenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,3-Dichlorobenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,4-Dichlorobenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Dichlorodifluoromethane	<150.	µg/l	0.15	0.5	1000	CSH	05/14/01	MPM
1,1-Dichloroethane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,2-Dichloroethane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,1-Dichloroeth(yl)ene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
cis-1,2-Dichloroeth(yl)ene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
trans-1,2-Dichloroethylene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,2-Dichloropropane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,3-Dichloropropane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
2,2-Dichloropropane	<150.	µg/l	0.15	0.5	1000	CSH	05/14/01	MPM

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ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.4
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID:. CL-G1-W010501 Matrix: WATER Sample Date/Time: 05/01/01 09:30 Lab No. 070021

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
1,1-Dichloropropene	<250.	µg/l	0.25	0.833	1000		05/14/01	MPM
cis-1,3-Dichloropropene	<70.0	µg/l	0.07	0.233	1000		05/14/01	MPM
trans-1,3-Dichloropropene	<90.0	µg/l	0.09	0.3	1000		05/14/01	MPM
Ethylbenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Hexachlorobutadiene	<1,000.	µg/l	1.0	3.33	1000		05/14/01	MPM
Isopropylbenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
4-Isopropyltoluene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Methylene Chloride	<500.	µg/l	0.5	1.67	1000		05/14/01	MPM
Methyl t-Butyl Ether(MTBE)	<140.	µg/l	0.14	0.466	1000		05/14/01	MPM
Naphthalene	<1,000.	µg/l	1.0	3.33	1000		05/14/01	MPM
n-Propylbenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Styrene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,1,1,2-Tetrachloroethane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,1,2,2-Tetrachloroethane	<80.0	µg/l	0.08	0.266	1000		05/14/01	MPM
Tetrachloroeth(yl)ene	27,200.	µg/l	0.15	0.5	1000		05/14/01	MPM
Toluene	<400.	µg/l	0.4	1.33	1000		05/14/01	MPM
1,2,3-Trichlorobenzene	<500.	µg/l	0.5	1.67	1000		05/14/01	MPM
1,2,4-Trichlorobenzene	<500.	µg/l	0.5	1.67	1000		05/14/01	MPM
1,1,1-Trichloroethane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,1,2-Trichloroethane	<90.0	µg/l	0.09	0.3	1000		05/14/01	MPM
Trichloroeth(yl)ene	<100.	µg/l	0.1	0.333	1000		05/14/01	MPM
Trichlorofluoromethane	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
1,2,3-Trichloropropane	<150.	µg/l	0.15	0.5	1000	SPL	05/14/01	MPM
1,2,4-Trimethylbenzene	<400.	µg/l	0.4	1.33	1000		05/14/01	MPM
1,3,5-Trimethylbenzene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
Vinyl Chloride	<120.	µg/l	0.12	0.4	1000		05/14/01	MPM
o-Xylene	<150.	µg/l	0.15	0.5	1000		05/14/01	MPM
m-& p-Xylene	<400.	µg/l	0.4	1.33	1000		05/14/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/08/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/08/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/08/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/08/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/08/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/08/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/08/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/08/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/08/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/08/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/08/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/08/01	GLS
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/08/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/08/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/08/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/03/01	CKV

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.5
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G2-W010501 Matrix: WATER Sample Date/Time: 05/01/01 10:20 Lab No. 070022

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		05/25/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1	DUP	05/22/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/24/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1	SPH	05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1	SPL	05/24/01	JCH
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/08/01	JCH
EPA 3020								
Furnace Metal Prep	COMP		-	-	1		05/14/01	JCH
EPA 6010								
Total Barium	22.	µg/l	2.	6.7	1		05/15/01	BMS
Total Chromium	1.	µg/l	1.	3.3	1	J	05/15/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/15/01	BMS
Total Nickel	6.	µg/l	3.	10.	1	J	05/15/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/15/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Benzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
Bromobenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Bromochloromethane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Bromodichloromethane	<1.20	µg/l	0.06	0.2	20		05/14/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1	CSH	05/15/01	MPM
Bromoform	<1.40	µg/l	0.07	0.233	20		05/14/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
Bromomethane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
n-Butylbenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
sec-Butylbenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
tert-Butylbenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Carbon Tetrachloride	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Chlorobenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Chloroethane	<10.0	µg/l	0.5	1.67	20		05/14/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Chloroform	<1.20	µg/l	0.06	0.2	20		05/14/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1	CSL	05/15/01	MPM
Chloromethane	<3.40	µg/l	0.17	0.566	20		05/14/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2-Chlorotoluene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
4-Chlorotoluene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM

A. Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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301 WEST MILITARY ROAD
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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.6
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G2-W010501 Matrix: WATER Sample Date/Time: 05/01/01 10:20 Lab No. 070022

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
Dibromochloromethane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/15/01	MPM
Dibromochloropropane(DBCP)	<5.00	µg/l	0.25	0.833	20	CSH	05/14/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
1,2-Dibromoethane(EDB)	<1.20	µg/l	0.06	0.2	20		05/14/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dibromomethane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
1,2-Dichlorobenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPH	05/15/01	MPM
1,3-Dichlorobenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,4-Dichlorobenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dichlorodifluoromethane	<3.00	µg/l	0.15	0.5	20	CSH	05/14/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroethane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloroethane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroeth(yl)ene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
cis-1,2-Dichloroeth(yl)ene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
trans-1,2-Dichloroethylene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloropropane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3-Dichloropropane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2,2-Dichloropropane	<3.00	µg/l	0.15	0.5	20	CSH	05/14/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/15/01	MPM
1,1-Dichloropropene	<5.00	µg/l	0.25	0.833	20		05/14/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/15/01	MPM
cis-1,3-Dichloropropene	<1.40	µg/l	0.07	0.233	20		05/14/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
trans-1,3-Dichloropropene	<1.80	µg/l	0.09	0.3	20		05/14/01	MPM
Ethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Ethylbenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Hexachlorobutadiene	<20.0	µg/l	1.0	3.33	20		05/14/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Isopropylbenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
4-Isopropyltoluene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Methylene Chloride	<10.0	µg/l	0.5	1.67	20		05/14/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/15/01	MPM
Methyl t-Butyl Ether(MTBE)	<2.80	µg/l	0.14	0.466	20		05/14/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Naphthalene	<20.0	µg/l	1.0	3.33	20		05/14/01	MPM

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.7
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G2-W010501 Matrix: WATER Sample Date/Time: 05/01/01 10:20 Lab No. 070022

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
n-Propylbenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Styrene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1,2-Tetrachloroethane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/15/01	MPM
1,1,2,2-Tetrachloroethane	<1.60	µg/l	0.08	0.266	20		05/14/01	MPM
Tetrachloroeth(yl)ene	4.20	µg/l	0.15	0.5	1		05/15/01	MPM
Tetrachloroeth(yl)ene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
Toluene	<8.00	µg/l	0.4	1.33	20		05/14/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
1,2,3-Trichlorobenzene	<10.0	µg/l	0.5	1.67	20		05/14/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	DUP	05/15/01	MPM
1,2,4-Trichlorobenzene	<10.0	µg/l	0.5	1.67	20		05/14/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1-Trichloroethane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
1,1,2-Trichloroethane	<1.80	µg/l	0.09	0.3	20		05/14/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/15/01	MPM
Trichloroeth(yl)ene	<2.00	µg/l	0.1	0.333	20		05/14/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Trichlorofluoromethane	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
1,2,3-Trichloropropane	<3.00	µg/l	0.15	0.5	20	SPL	05/14/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
1,2,4-Trimethylbenzene	<8.00	µg/l	0.4	1.33	20		05/14/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3,5-Trimethylbenzene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/15/01	MPM
Vinyl Chloride	<2.40	µg/l	0.12	0.4	20		05/14/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
o-Xylene	<3.00	µg/l	0.15	0.5	20		05/14/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
m-& p-Xylene	<8.00	µg/l	0.4	1.33	20		05/14/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/08/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/08/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/08/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/08/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/08/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/08/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/08/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/08/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/08/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/08/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/08/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/08/01	GLS

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11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.8
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: **CL-G2-W010501** Matrix: **WATER** Sample Date/Time: **05/01/01 10:20** Lab No. 070022

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8310								
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/08/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/08/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/08/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/03/01	CKV

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STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.9
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G3-W010501 Matrix: WATER Sample Date/Time: 05/01/01 12:50 Lab No. 070023

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		05/25/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1	DUP	05/22/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/23/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1	S1H S2H	05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1	S1L	05/24/01	JCH
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/16/01	JCH
EPA 3020								
Furnace Metal Prep	COMP		-	-	1		05/14/01	JCH
EPA 6010								
Total Barium	39.	µg/l	2.	6.7	1		05/15/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/15/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/15/01	BMS
Total Nickel	74.	µg/l	3.	10.	1		05/15/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/15/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Benzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
Bromobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Bromochloromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Bromodichloromethane	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1	CSH	05/15/01	MPM
Bromoform	<0.35	µg/l	0.07	0.233	5		05/14/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
Bromomethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
n-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
sec-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
tert-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Carbon Tetrachloride	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Chlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Chloroethane	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Chloroform	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1	CSL	05/15/01	MPM
Chloromethane	<0.85	µg/l	0.17	0.566	5		05/14/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2-Chlorotoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
4-Chlorotoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.10
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G3-W010501 Matrix: WATER Sample Date/Time: 05/01/01 12:50 Lab No. 070023

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
Dibromochloromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/15/01	MPM
Dibromochloropropane(DBCP)	<1.25	µg/l	0.25	0.833	5	CSH	05/14/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
1,2-Dibromoethane(EDB)	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dibromomethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
1,2-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPH	05/15/01	MPM
1,3-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,4-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dichlorodifluoromethane	<0.75	µg/l	0.15	0.5	5	CSH	05/14/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
trans-1,2-Dichloroethylene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloropropane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3-Dichloropropane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2,2-Dichloropropane	<0.75	µg/l	0.15	0.5	5	CSH	05/14/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/15/01	MPM
1,1-Dichloropropene	<1.25	µg/l	0.25	0.833	5		05/14/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/15/01	MPM
cis-1,3-Dichloropropene	<0.35	µg/l	0.07	0.233	5		05/14/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
trans-1,3-Dichloropropene	<0.45	µg/l	0.09	0.3	5		05/14/01	MPM
Ethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Ethylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Hexachlorobutadiene	<5.00	µg/l	1.0	3.33	5		05/14/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Isopropylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
4-Isopropyltoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Methylene Chloride	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/15/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.7	µg/l	0.14	0.466	5		05/14/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Naphthalene	<5.00	µg/l	1.0	3.33	5		05/14/01	MPM

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7220
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.11
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G3-W010501 Matrix: WATER Sample Date/Time: 05/01/01 12:50 Lab No. 070023

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
n-Propylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Styrene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1,2-Tetrachloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/15/01	MPM
1,1,2,2-Tetrachloroethane	<0.4	µg/l	0.08	0.266	5		05/14/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Tetrachloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
Toluene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
1,2,3-Trichlorobenzene	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	DUP	05/15/01	MPM
1,2,4-Trichlorobenzene	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1-Trichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
1,1,2-Trichloroethane	<0.45	µg/l	0.09	0.3	5		05/14/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/15/01	MPM
Trichloroeth(yl)ene	<0.5	µg/l	0.1	0.333	5		05/14/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Trichlorofluoromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
1,2,3-Trichloropropane	<0.75	µg/l	0.15	0.5	5	SPL	05/14/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
1,2,4-Trimethylbenzene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3,5-Trimethylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/15/01	MPM
Vinyl Chloride	<0.6	µg/l	0.12	0.4	5		05/14/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
o-Xylene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
m-& p-Xylene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/08/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/08/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/08/01	GLS
Benzo(a)Anthracene	0.07	µg/l	0.03	0.0999	1	J	05/08/01	GLS
Benzo(a)Pyrene	0.175	µg/l	0.02	0.0666	1		05/08/01	GLS
Benzo(b)Fluoranthene	0.213	µg/l	0.02	0.0666	1		05/08/01	GLS
Benzo(k)Fluoranthene	0.105	µg/l	0.03	0.0999	1		05/08/01	GLS
Benzo(ghi)Perylene	0.159	µg/l	0.09	0.3	1	J	05/08/01	GLS
Chrysene	0.071	µg/l	0.02	0.0666	1		05/08/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
Fluoranthene	0.16	µg/l	0.03	0.0999	1		05/08/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/08/01	GLS
Indeno(1,2,3-cd)Pyrene	0.206	µg/l	0.06	0.2	1		05/08/01	GLS
1-Methyl Naphthalene	0.162	µg/l	0.13	0.433	1	J	05/08/01	GLS

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.12
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G3-W010501 Matrix: WATER Sample Date/Time: 05/01/01 12:50 Lab No. 070023

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8310								
2-Methyl Naphthalene	0.284	µg/l	0.12	0.4	1	J	05/08/01	GLS
Naphthalene	0.128	µg/l	0.06	0.2	1	J	05/08/01	GLS
Phenanthrene	0.197	µg/l	0.11	0.366	1	J	05/08/01	GLS
Pyrene	0.115	µg/l	0.1	0.333	1	J	05/08/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/03/01	CKV

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.13
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G4-W010501 Matrix: WATER Sample Date/Time: 05/01/01 12:00 Lab No. 070024

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		05/25/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1	DUP	05/22/01	JCH
Total Cadmium	0.37	µg/l	-	0.2	1	J	05/23/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1	SPH	05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1	SPL	05/24/01	JCH
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/16/01	JCH
EPA 3020								
Furnace Metal Prep	COMP		-	-	1		05/14/01	JCH
EPA 6010								
Total Barium	17.	µg/l	2.	6.7	1		05/15/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/15/01	BMS
Total Copper	10.	µg/l	4.	13.3	1	J	05/15/01	BMS
Total Nickel	120.	µg/l	3.	10.	1		05/15/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/15/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Benzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
Bromobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Bromochloromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Bromodichloromethane	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1	CSH	05/15/01	MPM
Bromoform	<0.35	µg/l	0.07	0.233	5		05/14/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
Bromomethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
n-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
sec-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
tert-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Carbon Tetrachloride	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Chlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Chloroethane	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Chloroform	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1	CSL	05/15/01	MPM
Chloromethane	<0.85	µg/l	0.17	0.566	5		05/14/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2-Chlorotoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
4-Chlorotoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
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STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.14
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G4-W010501 Matrix: WATER Sample Date/Time: 05/01/01 12:00 Lab No. 070024

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
Dibromochloromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/15/01	MPM
Dibromochloropropane(DBCP)	<1.25	µg/l	0.25	0.833	5	CSH	05/14/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
1,2-Dibromoethane(EDB)	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dibromomethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
1,2-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPH	05/15/01	MPM
1,3-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,4-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dichlorodifluoromethane	<0.75	µg/l	0.15	0.5	5	CSH	05/14/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
trans-1,2-Dichloroethylene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloropropane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3-Dichloropropane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2,2-Dichloropropane	<0.75	µg/l	0.15	0.5	5	CSH	05/14/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/15/01	MPM
1,1-Dichloropropene	<1.25	µg/l	0.25	0.833	5		05/14/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/15/01	MPM
cis-1,3-Dichloropropene	<0.35	µg/l	0.07	0.233	5		05/14/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
trans-1,3-Dichloropropene	<0.45	µg/l	0.09	0.3	5		05/14/01	MPM
Ethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Ethylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Hexachlorobutadiene	<5.00	µg/l	1.0	3.33	5		05/14/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Isopropylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
4-Isopropyltoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Methylene Chloride	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/15/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.7	µg/l	0.14	0.466	5		05/14/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Naphthalene	<5.00	µg/l	1.0	3.33	5		05/14/01	MPM

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FACSIMILE 715-355-3221

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Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.15
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G4-W010501 Matrix: WATER Sample Date/Time: 05/01/01 12:00 Lab No. 070024

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
n-Propylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Styrene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1,2-Tetrachloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/15/01	MPM
1,1,2,2-Tetrachloroethane	<0.4	µg/l	0.08	0.266	5		05/14/01	MPM
Tetrachloroeth(yl)ene	0.224	µg/l	0.15	0.5	1	J	05/15/01	MPM
Tetrachloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
Toluene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
1,2,3-Trichlorobenzene	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	DUP	05/15/01	MPM
1,2,4-Trichlorobenzene	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1-Trichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
1,1,2-Trichloroethane	<0.45	µg/l	0.09	0.3	5		05/14/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/15/01	MPM
Trichloroeth(yl)ene	<0.5	µg/l	0.1	0.333	5		05/14/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Trichlorofluoromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
1,2,3-Trichloropropane	<0.75	µg/l	0.15	0.5	5	SPL	05/14/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
1,2,4-Trimethylbenzene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3,5-Trimethylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/15/01	MPM
Vinyl Chloride	<0.6	µg/l	0.12	0.4	5		05/14/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
o-Xylene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
m-& p-Xylene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/08/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/08/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/08/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/08/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/08/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/08/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/08/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/08/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/08/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/08/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/08/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/08/01	GLS

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Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.16
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G4-W010501 Matrix: WATER Sample Date/Time: 05/01/01 12:00 Lab No. 070024

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8310								
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/08/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/08/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/08/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/03/01	CKV

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Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.17
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G5-W010501 Matrix: WATER Sample Date/Time: 05/01/01 11:20 Lab No. 070025

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		05/25/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1	DUP	05/22/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/23/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1	SPH	05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1	SPL	05/24/01	JCH
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/16/01	JCH
EPA 3020								
Furnace Metal Prep	COMP		-	-	1		05/14/01	JCH
EPA 6010								
Total Barium	7.	µg/l	2.	6.7	1		05/15/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/15/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/15/01	BMS
Total Nickel	<3.	µg/l	3.	10.	1		05/15/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/15/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Benzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
Bromobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Bromochloromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Bromodichloromethane	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1	CSH	05/15/01	MPM
Bromoform	<0.35	µg/l	0.07	0.233	5		05/14/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
Bromomethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
n-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
sec-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
tert-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Carbon Tetrachloride	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Chlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Chloroethane	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Chloroform	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1	CSL	05/15/01	MPM
Chloromethane	<0.85	µg/l	0.17	0.566	5		05/14/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2-Chlorotoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
4-Chlorotoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM

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11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.18
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G5-W010501 Matrix: WATER Sample Date/Time: 05/01/01 11:20 Lab No. 070025

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
Dibromochloromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL CSH	05/15/01	MPM
Dibromochloropropane(DBCP)	<1.25	µg/l	0.25	0.833	5	CSH	05/14/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
1,2-Dibromoethane(EDB)	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dibromomethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
1,2-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPH	05/15/01	MPM
1,3-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,4-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dichlorodifluoromethane	<0.75	µg/l	0.15	0.5	5	CSH	05/14/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
trans-1,2-Dichloroethylene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloropropane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3-Dichloropropane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2,2-Dichloropropane	<0.75	µg/l	0.15	0.5	5	CSH	05/14/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/15/01	MPM
1,1-Dichloropropene	<1.25	µg/l	0.25	0.833	5		05/14/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/15/01	MPM
cis-1,3-Dichloropropene	<0.35	µg/l	0.07	0.233	5		05/14/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
trans-1,3-Dichloropropene	<0.45	µg/l	0.09	0.3	5		05/14/01	MPM
Ethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Ethylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Hexachlorobutadiene	<5.00	µg/l	1.0	3.33	5		05/14/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Isopropylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
4-Isopropyltoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Methylene Chloride	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/15/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.7	µg/l	0.14	0.466	5		05/14/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Naphthalene	<5.00	µg/l	1.0	3.33	5		05/14/01	MPM

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11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.19
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G5-W010501 Matrix: WATER Sample Date/Time: 05/01/01 11:20 Lab No. 070025

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
n-Propylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Styrene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1,2-Tetrachloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/15/01	MPM
1,1,2,2-Tetrachloroethane	<0.4	µg/l	0.08	0.266	5		05/14/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Tetrachloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
Toluene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
1,2,3-Trichlorobenzene	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	DUP	05/15/01	MPM
1,2,4-Trichlorobenzene	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1-Trichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
1,1,2-Trichloroethane	<0.45	µg/l	0.09	0.3	5		05/14/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/15/01	MPM
Trichloroeth(yl)ene	<0.5	µg/l	0.1	0.333	5		05/14/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Trichlorofluoromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
1,2,3-Trichloropropane	<0.75	µg/l	0.15	0.5	5	SPL	05/14/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
1,2,4-Trimethylbenzene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3,5-Trimethylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/15/01	MPM
Vinyl Chloride	<0.6	µg/l	0.12	0.4	5		05/14/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
o-Xylene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
m-& p-Xylene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/08/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/08/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/08/01	GLS
Benzo(a)Anthracene	0.084	µg/l	0.03	0.0999	1	J	05/08/01	GLS
Benzo(a)Pyrene	0.17	µg/l	0.02	0.0666	1		05/08/01	GLS
Benzo(b)Fluoranthene	0.233	µg/l	0.02	0.0666	1		05/08/01	GLS
Benzo(k)Fluoranthene	0.104	µg/l	0.03	0.0999	1		05/08/01	GLS
Benzo(ghi)Perylene	0.151	µg/l	0.09	0.3	1	J	05/08/01	GLS
Chrysene	0.085	µg/l	0.02	0.0666	1		05/08/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
Fluoranthene	0.087	µg/l	0.03	0.0999	1	J	05/08/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/08/01	GLS
Indeno(1,2,3-cd)Pyrene	0.196	µg/l	0.06	0.2	1	J	05/08/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/08/01	GLS

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.20
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G5-W010501 Matrix: WATER Sample Date/Time: 05/01/01 11:20 Lab No. 070025

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8310								
2-Methyl Naphthalene	0.151	µg/l	0.12	0.4	1	J	05/08/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/08/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/08/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/08/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/03/01	CKV

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STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI-53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.21
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G2-D010501 Matrix: WATER Sample Date/Time: 05/01/01 10:20 Lab No. 070026

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		05/25/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1	DUP	05/22/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/23/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1	SPH	05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1	SPL	05/24/01	JCH
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/16/01	JCH
EPA 3020								
Furnace Metal Prep	COMP		-	-	1		05/14/01	JCH
EPA 6010								
Total Barium	22.	µg/l	2.	6.7	1		05/15/01	BMS
Total Chromium	1.6	µg/l	1.	3.3	1	J	05/15/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/15/01	BMS
Total Nickel	4.	µg/l	3.	10.	1	J	05/15/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/15/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Benzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
Bromobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Bromochloromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Bromodichloromethane	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1	CSH	05/15/01	MPM
Bromoform	<0.35	µg/l	0.07	0.233	5		05/14/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
Bromomethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
n-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
sec-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
tert-Butylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Carbon Tetrachloride	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Chlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Chloroethane	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Chloroform	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1	CSL	05/15/01	MPM
Chloromethane	<0.85	µg/l	0.17	0.566	5		05/14/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2-Chlorotoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
4-Chlorotoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.22
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G2-D010501 Matrix: WATER Sample Date/Time: 05/01/01 10:20 Lab No. 070026

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
Dibromochloromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/15/01	MPM
Dibromochloropropane(DBCP)	<1.25	µg/l	0.25	0.833	5	CSH	05/14/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
1,2-Dibromoethane(EDB)	<0.3	µg/l	0.06	0.2	5		05/14/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dibromomethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
1,2-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPH	05/15/01	MPM
1,3-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,4-Dichlorobenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dichlorodifluoromethane	<0.75	µg/l	0.15	0.5	5	CSH	05/14/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
trans-1,2-Dichloroethylene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloropropane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3-Dichloropropane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2,2-Dichloropropane	<0.75	µg/l	0.15	0.5	5	CSH	05/14/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/15/01	MPM
1,1-Dichloropropene	<1.25	µg/l	0.25	0.833	5		05/14/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/15/01	MPM
cis-1,3-Dichloropropene	<0.35	µg/l	0.07	0.233	5		05/14/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
trans-1,3-Dichloropropene	<0.45	µg/l	0.09	0.3	5		05/14/01	MPM
Ethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Ethylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Hexachlorobutadiene	<5.00	µg/l	1.0	3.33	5		05/14/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Isopropylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
4-Isopropyltoluene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Methylene Chloride	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/15/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.7	µg/l	0.14	0.466	5		05/14/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Naphthalene	<5.00	µg/l	1.0	3.33	5		05/14/01	MPM

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.23
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G2-D010501 Matrix: WATER Sample Date/Time: 05/01/01 10:20 Lab No. 070026

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
n-Propylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Styrene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1,2-Tetrachloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/15/01	MPM
1,1,2,2-Tetrachloroethane	<0.4	µg/l	0.08	0.266	5		05/14/01	MPM
Tetrachloroeth(yl)ene	4.18	µg/l	0.15	0.5	1		05/15/01	MPM
Tetrachloroeth(yl)ene	3.61	µg/l	0.15	0.5	5		05/14/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
Toluene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
1,2,3-Trichlorobenzene	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	DUP	05/15/01	MPM
1,2,4-Trichlorobenzene	<2.50	µg/l	0.5	1.67	5		05/14/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1-Trichloroethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
1,1,2-Trichloroethane	<0.45	µg/l	0.09	0.3	5		05/14/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/15/01	MPM
Trichloroeth(yl)ene	<0.5	µg/l	0.1	0.333	5		05/14/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Trichlorofluoromethane	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
1,2,3-Trichloropropane	<0.75	µg/l	0.15	0.5	5	SPL	05/14/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
1,2,4-Trimethylbenzene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3,5-Trimethylbenzene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/15/01	MPM
Vinyl Chloride	<0.6	µg/l	0.12	0.4	5		05/14/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
o-Xylene	<0.75	µg/l	0.15	0.5	5		05/14/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
m-& p-Xylene	<2.00	µg/l	0.4	1.33	5		05/14/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/11/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/11/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/11/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/11/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/11/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/11/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/11/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/11/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/11/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/11/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/11/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/11/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/11/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/11/01	GLS

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.24
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G2-D010501 Matrix: WATER Sample Date/Time: 05/01/01 10:20 Lab No. 070026

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8310								
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/11/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/11/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/11/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/11/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/08/01	CKV

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STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.25
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G3-B010501 Matrix: WATER Sample Date/Time: 05/01/01 12:50 Lab No. 070027

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		05/25/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1	DUP	05/22/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/23/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1	SPH	05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1	SPL	05/24/01	JCH
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/16/01	JCH
EPA 3020								
Furnace Metal Prep	COMP		-	-	1		05/14/01	JCH
EPA 6010								
Total Barium	72.	µg/l	2.	6.7	1		05/15/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/15/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/15/01	BMS
Total Nickel	<3.	µg/l	3.	10.	1		05/15/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/15/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1	CSH	05/15/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1	CSL	05/15/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1	SPH DUP	05/15/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/15/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/15/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	DUP	05/15/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPH	05/15/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI-53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.26
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-G3-B010501 Matrix: WATER Sample Date/Time: 05/01/01 12:50 Lab No. 070027

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/15/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/15/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
Ethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/15/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/15/01	MPM
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/15/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/15/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	DUP	05/15/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/15/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/15/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1	CSL	05/15/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/15/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/15/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/15/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/11/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/11/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/11/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/11/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/11/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/11/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/11/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/11/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/11/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/11/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/11/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/11/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/11/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/11/01	GLS
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/11/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/11/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/11/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/11/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/08/01	CKV

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.27
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B06-501 S Matrix: SOIL Sample Date/Time: 05/01/01 09:40 Lab No. 070028

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.94	mg/kg	-	1.7	1		05/18/01	BMS
Total Arsenic	3.28	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	25.9	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.137	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	9.01	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	38.6	mg/kg	0.13	0.433	1	DUP	05/17/01	BMS
Total Lead	8.13	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	9.17	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	0.433	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.114	mg/kg	0.1	0.333	1	S1L S2L DUP	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0456	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
cis-1,2-Dichloroethylene	0.361	mg/kg	0.007	0.0233	1		05/14/01	LMP
trans-1,2-Dichloroethylene	0.031	mg/kg	0.009	0.03	1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Isopropyl Ether	0.255	mg/kg	0.017	0.0566	1	CSL LCL	05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP

All results calculated on a dry weight basis.

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STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.28
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B06-501 S Matrix: SOIL Sample Date/Time: 05/01/01 09:40 Lab No. 070028

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Tetrachloroethylene	0.595	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Trichloroethylene	0.271	mg/kg	0.005	0.0167	1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/14/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.00706	mg/kg	0.0062	0.0206	1		05/17/01	GLS
Acenaphthylene	<0.00478	mg/kg	0.0042	0.014	1		05/17/01	GLS
Anthracene	<0.0033	mg/kg	0.0029	0.00966	1		05/17/01	GLS
Benzo(a)Anthracene	0.0178	mg/kg	0.0025	0.00833	1		05/17/01	GLS
Benzo(a)Pyrene	0.0371	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Benzo(b)Fluoranthene	0.0429	mg/kg	0.0011	0.00366	1		05/17/01	GLS
Benzo(k)Fluoranthene	0.0253	mg/kg	0.0012	0.004	1		05/17/01	GLS
Benzo(ghi)Perylene	0.0228	mg/kg	0.001	0.00333	1		05/17/01	GLS
Chrysene	0.0191	mg/kg	0.002	0.00666	1		05/17/01	GLS
Dibenzo(a,h)Anthracene	0.0708	mg/kg	0.0014	0.00466	1		05/17/01	GLS
Fluoranthene	0.0281	mg/kg	0.0026	0.00866	1		05/17/01	GLS
Fluorene	<0.00399	mg/kg	0.0035	0.0117	1		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	0.0296	mg/kg	0.0017	0.00566	1		05/17/01	GLS
1-Methyl Naphthalene	0.00539	mg/kg	0.0029	0.00966	1	J	05/17/01	GLS
2-Methyl Naphthalene	0.00321	mg/kg	0.0023	0.00766	1	J	05/17/01	GLS
Naphthalene	<0.00444	mg/kg	0.0039	0.013	1		05/17/01	GLS
Phenanthrene	0.0179	mg/kg	0.0016	0.00533	1		05/17/01	GLS
Pyrene	0.0413	mg/kg	0.0031	0.0103	1		05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	87.8	%	-	0.33	-		05/07/01	LMV

All results calculated on a dry weight basis.

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TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.29
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B06-S02 Matrix: SOIL Sample Date/Time: 05/01/01 09:45 Lab No. 070029

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.94	mg/kg	-	1.7	1		05/18/01	BMS
Total Arsenic	3.66	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	31.1	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.308	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	22.3	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	66.5	mg/kg	0.13	0.433	1	DUP	05/17/01	BMS
Total Lead	26.2	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	23.8	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	0.764	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.114	mg/kg	0.1	0.333	1	SPL DUP LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.125	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
cis-1,2-Dichloroethylene	10.8	mg/kg	0.007	0.0233	50		05/16/01	LMP
trans-1,2-Dichloroethylene	0.399	mg/kg	0.009	0.03	1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Ethylbenzene	0.065	mg/kg	0.007	0.0233	1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Tetrachloroethylene	0.138	mg/kg	0.005	0.0167	1		05/14/01	LMP

All results calculated on a dry weight basis.

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TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.30
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B06-S02 Matrix: SOIL Sample Date/Time: 05/01/01 09:45 Lab No. 070029

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Toluene	0.0683	mg/kg	0.008	0.0266	1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Trichloroethylene	0.0364	mg/kg	0.005	0.0167	1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Vinyl Chloride	0.221	mg/kg	0.009	0.03	1	CSL LCL	05/14/01	LMP
m- & p-Xylene	0.0415	mg/kg	0.008	0.0266	1		05/14/01	LMP
o-Xylene	0.0341	mg/kg	0.005	0.0167	1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.0707	mg/kg	0.0062	0.0206	10		05/17/01	GLS
Acenaphthylene	<0.0479	mg/kg	0.0042	0.014	10		05/17/01	GLS
Anthracene	<0.0331	mg/kg	0.0029	0.00966	10		05/17/01	GLS
Benzo(a)Anthracene	<0.0285	mg/kg	0.0025	0.00833	10		05/17/01	GLS
Benzo(a)Pyrene	0.027	mg/kg	0.0023	0.00766	10		05/17/01	GLS
Benzo(b)Fluoranthene	<0.0125	mg/kg	0.0011	0.00366	10		05/17/01	GLS
Benzo(k)Fluoranthene	<0.0137	mg/kg	0.0012	0.004	10		05/17/01	GLS
Benzo(ghi)Perylene	<0.0114	mg/kg	0.001	0.00333	10		05/17/01	GLS
Chrysene	0.0335	mg/kg	0.002	0.00666	10		05/17/01	GLS
Dibenzo(a,h)Anthracene	<0.016	mg/kg	0.0014	0.00466	10		05/17/01	GLS
Fluoranthene	0.0425	mg/kg	0.0026	0.00866	10		05/17/01	GLS
Fluorene	<0.0399	mg/kg	0.0035	0.0117	10		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	0.029	mg/kg	0.0017	0.00566	10		05/17/01	GLS
1-Methyl Naphthalene	<0.0331	mg/kg	0.0029	0.00966	10		05/17/01	GLS
2-Methyl Naphthalene	0.1	mg/kg	0.0023	0.00766	10		05/17/01	GLS
Naphthalene	<0.0445	mg/kg	0.0039	0.013	10		05/17/01	GLS
Phenanthrene	0.0566	mg/kg	0.0016	0.00533	10		05/17/01	GLS
Pyrene	0.0675	mg/kg	0.0031	0.0103	10		05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	87.7	%	-	0.33	-		05/07/01	LMV

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.31
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B12-S03 Matrix: SOIL Sample Date/Time: 05/01/01 11:50 Lab No. 070030

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<1.91	mg/kg	-	1.7	1		05/18/01	BMS
Total Arsenic	9.89	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	79.7	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.248	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	14.1	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	16.9	mg/kg	0.13	0.433	1	DUP	05/17/01	BMS
Total Lead	10.1	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	22.3	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	<0.372	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.113	mg/kg	0.1	0.333	1	SPL DUP LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.0529	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/15/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.32
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B12-S03 Matrix: SOIL Sample Date/Time: 05/01/01 11:50 Lab No. 070030

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/14/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.00698	mg/kg	0.0062	0.0206	1		05/17/01	GLS
Acenaphthylene	<0.00473	mg/kg	0.0042	0.014	1		05/17/01	GLS
Anthracene	<0.00327	mg/kg	0.0029	0.00966	1		05/17/01	GLS
Benzo(a)Anthracene	<0.00282	mg/kg	0.0025	0.00833	1		05/17/01	GLS
Benzo(a)Pyrene	<0.00259	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Benzo(b)Fluoranthene	<0.00124	mg/kg	0.0011	0.00366	1		05/17/01	GLS
Benzo(k)Fluoranthene	<0.00135	mg/kg	0.0012	0.004	1		05/17/01	GLS
Benzo(ghi)Perylene	<0.00113	mg/kg	0.001	0.00333	1		05/17/01	GLS
Chrysene	<0.00225	mg/kg	0.002	0.00666	1		05/17/01	GLS
Dibenzo(a,h)Anthracene	<0.00158	mg/kg	0.0014	0.00466	1		05/17/01	GLS
Fluoranthene	<0.00293	mg/kg	0.0026	0.00866	1		05/17/01	GLS
Fluorene	<0.00394	mg/kg	0.0035	0.0117	1		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00191	mg/kg	0.0017	0.00566	1		05/17/01	GLS
1-Methyl Naphthalene	<0.00327	mg/kg	0.0029	0.00966	1		05/17/01	GLS
2-Methyl Naphthalene	<0.00259	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Naphthalene	<0.00439	mg/kg	0.0039	0.013	1		05/17/01	GLS
Phenanthrene	<0.0018	mg/kg	0.0016	0.00533	1		05/17/01	GLS
Pyrene	<0.00349	mg/kg	0.0031	0.0103	1		05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	88.8	%	-	0.33	-		05/07/01	LMV

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.33
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B16-S03 Matrix: SOIL Sample Date/Time: 05/01/01 14:10 Lab No. 070031

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.14	mg/kg	-	1.7	1		05/18/01	BMS
Total Arsenic	1.14	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	31.8	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.0754	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	6.77	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	3.73	mg/kg	0.13	0.433	1	DUP	05/17/01	BMS
Total Lead	3.35	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	4.54	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	0.427	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.126	mg/kg	0.1	0.333	1	SPL DUP LCL	05/17/01	BMS
EPA 7471								
Total Mercury	<0.0503	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Isopropyl Ether	<0.025	mg/kg	0.017	0.0566	1	CSL LCL	05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP

All results calculated on a dry weight basis.

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.34
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B16-S03 Matrix: SOIL Sample Date/Time: 05/01/01 14:10 Lab No. 070031

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/14/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.00779	mg/kg	0.0062	0.0206	1		05/17/01	GLS
Acenaphthylene	<0.00528	mg/kg	0.0042	0.014	1		05/17/01	GLS
Anthracene	<0.00364	mg/kg	0.0029	0.00966	1		05/17/01	GLS
Benzo(a)Anthracene	<0.00314	mg/kg	0.0025	0.00833	1		05/17/01	GLS
Benzo(a)Pyrene	<0.00289	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Benzo(b)Fluoranthene	0.00461	mg/kg	0.0011	0.00366	1		05/17/01	GLS
Benzo(k)Fluoranthene	0.0029	mg/kg	0.0012	0.004	1	J	05/17/01	GLS
Benzo(ghi)Perylene	<0.00126	mg/kg	0.001	0.00333	1		05/17/01	GLS
Chrysene	0.00307	mg/kg	0.002	0.00666	1	J	05/17/01	GLS
Dibenzo(a,h)Anthracene	<0.00176	mg/kg	0.0014	0.00466	1		05/17/01	GLS
Fluoranthene	0.0079	mg/kg	0.0026	0.00866	1	J	05/17/01	GLS
Fluorene	<0.0044	mg/kg	0.0035	0.0117	1		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	0.00489	mg/kg	0.0017	0.00566	1	J	05/17/01	GLS
1-Methyl Naphthalene	<0.00364	mg/kg	0.0029	0.00966	1		05/17/01	GLS
2-Methyl Naphthalene	<0.00289	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Naphthalene	<0.0049	mg/kg	0.0039	0.013	1		05/17/01	GLS
Phenanthrene	0.00882	mg/kg	0.0016	0.00533	1		05/17/01	GLS
Pyrene	0.00745	mg/kg	0.0031	0.0103	1	J	05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	79.6	%	-	0.33	-		05/07/01	LMV

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.35
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B17-S02 Matrix: SOIL Sample Date/Time: 05/01/01 15:00 Lab No. 070032

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.48	mg/kg	-	1.7	1		05/18/01	BMS
Total Arsenic	2.22	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	57.5	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.321	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	9.39	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	10.4	mg/kg	0.13	0.433	1	DUP	05/17/01	BMS
Total Lead	10.2	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	6.15	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	1.20	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.146	mg/kg	0.1	0.333	1	SPL DUP LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.0584	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Isopropyl Ether	<0.025	mg/kg	0.017	0.0566	1	CSL LCL	05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.36
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B17-S02 Matrix: SOIL Sample Date/Time: 05/01/01 15:00 Lab No. 070032

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/14/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.00905	mg/kg	0.0062	0.0206	1		05/17/01	GLS
Acenaphthylene	<0.00613	mg/kg	0.0042	0.014	1		05/17/01	GLS
Anthracene	<0.00423	mg/kg	0.0029	0.00966	1		05/17/01	GLS
Benzo(a)Anthracene	<0.00365	mg/kg	0.0025	0.00833	1		05/17/01	GLS
Benzo(a)Pyrene	0.00413	mg/kg	0.0023	0.00766	1	J	05/17/01	GLS
Benzo(b)Fluoranthene	0.00778	mg/kg	0.0011	0.00366	1		05/17/01	GLS
Benzo(k)Fluoranthene	0.0027	mg/kg	0.0012	0.004	1	J	05/17/01	GLS
Benzo(ghi)Perylene	0.00323	mg/kg	0.001	0.00333	1	J	05/17/01	GLS
Chrysene	<0.00292	mg/kg	0.002	0.00666	1		05/17/01	GLS
Dibenzo(a,h)Anthracene	<0.00204	mg/kg	0.0014	0.00466	1		05/17/01	GLS
Fluoranthene	0.0171	mg/kg	0.0026	0.00866	1		05/17/01	GLS
Fluorene	<0.00511	mg/kg	0.0035	0.0117	1		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	0.0122	mg/kg	0.0017	0.00566	1		05/17/01	GLS
1-Methyl Naphthalene	0.00426	mg/kg	0.0029	0.00966	1	J	05/17/01	GLS
2-Methyl Naphthalene	0.00667	mg/kg	0.0023	0.00766	1	J	05/17/01	GLS
Naphthalene	<0.00569	mg/kg	0.0039	0.013	1		05/17/01	GLS
Phenanthrene	0.0165	mg/kg	0.0016	0.00533	1		05/17/01	GLS
Pyrene	0.0147	mg/kg	0.0031	0.0103	1	J	05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	68.5	%	-	0.33	-		05/07/01	LMV

All results calculated on a dry weight basis.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.37
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B17-S03 Matrix: SOIL Sample Date/Time: 05/01/01 15:10 Lab No. 070033

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 6010								
Total Antimony	<2.25	mg/kg	-	1.7	1		05/18/01	BMS
Total Arsenic	1.67	mg/kg	0.23	0.766	1		05/17/01	BMS
Total Barium	67.4	mg/kg	0.07	0.233	1		05/17/01	BMS
Total Cadmium	0.265	mg/kg	0.03	0.0999	1		05/17/01	BMS
Total Chromium	9.38	mg/kg	0.033	0.11	1		05/17/01	BMS
Total Copper	8.20	mg/kg	0.13	0.433	1	DUP	05/17/01	BMS
Total Lead	5.58	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Nickel	5.40	mg/kg	0.1	0.333	1		05/17/01	BMS
Total Selenium	0.57	mg/kg	0.33	1.1	1		05/17/01	BMS
Total Silver	<0.133	mg/kg	0.1	0.333	1	SPL DUP LCL	05/17/01	BMS
EPA 7471								
Total Mercury	0.0796	mg/kg	0.04	0.133	1		05/16/01	JCH
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Bromobenzene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Bromodichloromethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
n-Butylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
sec-Butylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
tert-Butylbenzene	<0.025	mg/kg	0.003	0.00999	1		05/14/01	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Chlorobenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chlorodibromomethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Chloroethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Chloroform	<0.025	mg/kg	0.016	0.0533	1		05/14/01	LMP
Chloromethane	<0.025	mg/kg	0.011	0.0366	1	CSL LCL DUP	05/14/01	LMP
2-Chlorotoluene	<0.025	mg/kg	0.012	0.04	1		05/14/01	LMP
4-Chlorotoluene	<0.025	mg/kg	0.014	0.0466	1		05/14/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.019	0.0633	1		05/14/01	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.013	0.0433	1		05/14/01	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.017	0.0566	1	CSL LCL DUP	05/14/01	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.009	0.03	1		05/14/01	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.017	0.0566	1		05/14/01	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Isopropylbenzene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Isopropyl Ether	<0.025	mg/kg	0.017	0.0566	1	CSL LCL	05/14/01	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1	CSL	05/14/01	LMP
Methylene Chloride	<0.025	mg/kg	0.005	0.0167	1	CSL	05/14/01	LMP
Naphthalene	<0.025	mg/kg	0.018	0.0599	1		05/14/01	LMP
n-Propylbenzene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP

All results calculated on a dry weight basis.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.38
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Sample ID: CL-B17-S03 Matrix: SOIL Sample Date/Time: 05/01/01 15:10 Lab No. 070033

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Tetrachloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
Toluene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.015	0.05	1		05/14/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.013	0.0433	1	DUP	05/14/01	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
Trichloroethylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.007	0.0233	1		05/14/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Vinyl Chloride	<0.025	mg/kg	0.009	0.03	1	CSL LCL	05/14/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.008	0.0266	1		05/14/01	LMP
o-Xylene	<0.025	mg/kg	0.005	0.0167	1		05/14/01	LMP
Bromochloromethane	<0.025	mg/kg	0.014	0.0466	1	CSL	05/14/01	LMP
Bromoform	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
Bromomethane	<0.025	mg/kg	0.012	0.04	1	CSL LCL	05/14/01	LMP
Dibromomethane	<0.025	mg/kg	0.01	0.0333	1		05/14/01	LMP
1,1-Dichloropropene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/kg	0.006	0.02	1		05/14/01	LMP
Styrene	<0.025	mg/kg	0.004	0.0133	1		05/14/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
1,2,3-Trichloropropane	<0.025	mg/kg	0.011	0.0366	1		05/14/01	LMP
EPA 8310								
Acenaphthene	<0.00822	mg/kg	0.0062	0.0206	1		05/17/01	GLS
Acenaphthylene	<0.00557	mg/kg	0.0042	0.014	1		05/17/01	GLS
Anthracene	<0.00385	mg/kg	0.0029	0.00966	1		05/17/01	GLS
Benzo(a)Anthracene	<0.00332	mg/kg	0.0025	0.00833	1		05/17/01	GLS
Benzo(a)Pyrene	<0.00305	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Benzo(b)Fluoranthene	<0.00146	mg/kg	0.0011	0.00366	1		05/17/01	GLS
Benzo(k)Fluoranthene	<0.00159	mg/kg	0.0012	0.004	1		05/17/01	GLS
Benzo(ghi)Perylene	<0.00133	mg/kg	0.001	0.00333	1		05/17/01	GLS
Chrysene	<0.00265	mg/kg	0.002	0.00666	1		05/17/01	GLS
Dibenzo(a,h)Anthracene	<0.00186	mg/kg	0.0014	0.00466	1		05/17/01	GLS
Fluoranthene	<0.00345	mg/kg	0.0026	0.00866	1		05/17/01	GLS
Fluorene	<0.00464	mg/kg	0.0035	0.0117	1		05/17/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00225	mg/kg	0.0017	0.00566	1		05/17/01	GLS
1-Methyl Naphthalene	<0.00385	mg/kg	0.0029	0.00966	1		05/17/01	GLS
2-Methyl Naphthalene	<0.00305	mg/kg	0.0023	0.00766	1		05/17/01	GLS
Naphthalene	<0.00517	mg/kg	0.0039	0.013	1		05/17/01	GLS
Phenanthrene	<0.00212	mg/kg	0.0016	0.00533	1		05/17/01	GLS
Pyrene	<0.00411	mg/kg	0.0031	0.0103	1		05/17/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		05/11/01	CKV
MOSA21-2								
Total Solids	75.4	%	-	0.33	-		05/07/01	LMV

All results calculated on a dry weight basis.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.39
DATE REC'D : 05/03/01
REPORT DATE: 06/06/01
PREPARED BY: GLS

Attn: Lanette Altenbach

Qualifier Descriptions

DUP	Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.
SPH	Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.
SPL	Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.
J	Estimated concentration below laboratory quantitation level.
CSH	Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
S1H	Sample matrix spike recovery was high. Sample result may be biased high.
S2H	Sample matrix spike duplicate recovery was high. Sample result may be biased high.
S1L	Sample matrix spike recovery was low. Sample result may be biased low.
S2L	Sample matrix spike duplicate recovery was low. Sample result may be biased low.
LCL	The laboratory control sample for this analyte exibited a low bias. Sample results may also be biased low.

CHAIN OF CUSTODY RECORD

RECORD NUMBER _____ THROUGH _____

Contact Person Lonette Altenbach
Phone No. 414-359-3030 Office STS-Mil
Project No. 8645 xB PO No. _____
Project Name City of Kenosha

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

Laboratory US FILTER
Contact Person _____
Phone No. 715 359 7226
Results Due _____

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request (entered as ✓ L8021 ✓ 2cda ✓ elements to make on ✓ EPA8021 list 5-3-01)	Comments on Sample (Include Major Contaminants)
CL-G1-W010501	5/1	09:30	✓		4	water	✓	✓					PAH, PCBs, VOCs, + metals	40070021
CL-G2-W010501	"	10:20	✓		4	"	✓	✓						40070022
CL-G3-W010501	"	12:50	✓		4	"	✓	✓						40070023
CL-G4-W010501	"	12:00	✓		4	"	✓	✓						40070024
CL-G5-W010501	"	11:20	✓		4	"	✓	✓						40070025
CL-G2-D010501	"	10:20	✓		3	"	✓	✓					PAH, VOCs, + metals	40070026
CL-G3-B010501	"	12:50	✓		3	"	✓	✓						40070027

Collected by: Adam Florin	Date 5/1/01	Time 18:15	Delivery by: Dunham Express	Date 5/2/01	Time Sealed
Received by: Lonette Altenbach	Date 5/1/01	Time 1815	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Lori Linn	Date 5-3-01	Time 10:45	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A Received on Ice

Final Disposition:

Comments (Weather Conditions, Precautions, Hazards):
No Trip blank provided by lab.
Seal in Tact
cancel all PCB per Donna 5-7-01

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

CHAIN OF CUSTODY RECORD

№ 29095

RECORD NUMBER _____ THROUGH _____

Contact Person LANETTE ALTENBACH
Phone No. 414-357-3030 Office STS - MILW.
Project No. 86915-XB PO No. _____
Project Name C & L INDUSTRIAL CLEANERS SITE

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

Laboratory US FILTER
Contact Person _____
Phone No. 715-359-7226
Results Due _____

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation: Methanol Y	Preservation: Methanol N	Field Data: PID/FID Ambient	Field Data: PID/FID Sample	Field Data: PH	Field Data: Special Cond.	Analysis Request	Sampled By	Comments on Sample (Include Major Contaminants)
CL-B06-S01	5/1/01	9:40	✓		3	SOIL	1	2					VOC's, Metals, PAH, PCBs (2 oz Jar; 4 oz Jar; pre donng 5-7-01)	GMB	40070028
CL-B06-S02	"	9:45	✓		3	"	1	2					"	GMB	40070029
CL-B12-S03	"	11:50	✓		3	"	1	2						GMB	40070030
CL-B16-S03	"	14:10	✓		3	"	1	2						GMB	40070031
CL-B17-S02	"	15:00	✓		3	"	1	2						GMB	40070032
CL-B17-S03	"	15:10	✓		3	"	1	2						GMB	40070033

Collected by: Gary M. Braun	Date 5/1/01	Time 16:15	Delivery by: Dunham Express	Date 5/2/01	Time Sealed Shipment
Received by: Rochelle Ackerland	Date 5/1/01	Time 1615	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Lori Sui	Date 5-3-01	Time 10:45	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A Record on Ice

Final Disposition:

Comments (Weather Conditions, Precautions, ~~Hazards~~): Seals on Cont

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

9/94cp10k

STS Consultants Ltd.
Consulting Engineers

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

August 29, 2001

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

Attn: Lanette Altenbach

REPORT NO.: 069106 Addition **PROJECT NO.: 586415XB**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received April 25 through May 16, 2001. This report is for isopropyl ether only.

All analyses were performed in accordance with approved methods as indicated on this report. Please refer to the original reports for the date of analysis.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

James R. Salkowski
Laboratory Director

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

069106.2

Lab Id	Client Sample ID	Date/Time	Matrix
069106	CL-P1-SL010423	04/23/01 14:50	SOIL
069107	CL-P3W010423	04/23/01 16:30	WASTEWATER
069108	CL-P4-SL010423	04/23/01 15:25	SOIL
069109	CL-P5-SL010423	04/23/01 15:15	SOIL
069110	CL-P6-SL010423	04/23/01 15:40	SOIL
069111	CL-P7-SL010423	04/23/01 15:55	SOIL
069112	MEOH BLANK-USF	04/23/01	SOIL
069113	CL-TP1-503	04/23/01 09:00	SOIL
069114	CL-TP2-503	04/23/01 10:10	SOIL
069115	CL-TP3-502	04/23/01 11:30	SOIL
069116	CL-TP4-504	04/23/01 12:30	SOIL
069117	CL-TP5-SO4	04/23/01 13:30	SOIL
069118	MEOH BLANK-USF	04/23/01	SOIL

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
mv = millivolts
ppth = Parts per thousand

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 586415XB
REPORT NO. : 069106.3
DATE REC'D : 04/25/01
REPORT DATE: 08/29/01
PREPARED BY: JRS
REVIEWED BY:

Attn: Lanette Altenbach

Sample ID	Isopropyl Ether EPA 8021		Qualifiers			Analytical No.
CL-P1-SLO10423	<3.04	mg/kg				69106
CL-P3W010423	<3.0	µg/l				69107
CL-P4-SL010423	<2.84	mg/kg				69108
CL-P5-SL010423	<0.46	mg/kg				69109
CL-P6-SL010423	<0.024	mg/kg				69110
CL-P7-SL010423	<0.43	mg/kg				69111
MEOH BLANK-USF	<0.02	mg/l				69112
CL-TP1-503	<0.025	mg/kg				69113
CL-TP2-503	<0.024	mg/kg				69114
CL-TP3-502	<0.024	mg/kg				69115
CL-TP4-504	<0.025	mg/kg				69116
CL-TP5-SO4	<0.023	mg/kg				69117
MEOH BLANK-USF	<0.02	mg/l				69118

Results for soil samples are calculated on a dry weight basis and reported as mg/kg.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD WI 54474

TELEPHONE 800-338-7225
FACSIMILE 715-355-3221

Sample Summary

069832.2

Lab Id	Client Sample ID	Date/Time	Matrix
069832	CL-B01-S02	04/30/01 11:00	SOIL
069833	CL-B01-SO3	04/30/01 11:05	SOIL
069834	CL-B02-SO2	04/30/01 12:05	SOIL
069835	CL-B02-SO1	04/30/01 12:15	SOIL
069836	CL-B03-S02	04/30/01 14:10	SOIL
069837	CL-B03-S03	04/30/01 14:15	SOIL
069838	CL-B04-SO2	04/30/01 15:30	SOIL
069839	CL-B04-SO4	04/30/01 15:40	SOIL
069840	CL-G1-SO3	04/30/01 17:00	SOIL
069841	CL-G1-SO4	04/30/01 17:05	SOIL
069842	CL-G2-SO3	04/30/01 13:50	SOIL
069843	CL-G2-SO4	04/30/01 14:00	SOIL
069844	CL-G3-SO3	04/30/01 14:10	SOIL
069845	CL-G3-SO4	04/30/01 14:25	SOIL
069846	CL-G4-SO3	04/30/01 15:10	SOIL
069847	CL-G4-SO4	04/30/01 15:20	SOIL
069848	CL-G5-SO1	04/30/01	SOIL
069849	CL-G5-SO3	04/30/01	SOIL
069850	CL-B05-SO1	04/30/01 16:43	SOIL
069851	CL-B05-SO2	04/30/01 16:50	SOIL

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
mv = millivolts
ppth = Parts per thousand

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415-XB
REPORT NO. : 069832.3
DATE REC'D : 05/02/01
REPORT DATE: 08/29/01
PREPARED BY: JRS
REVIEWED BY:

Attn: Lanette Altenbach

Sample ID	Isopropyl Ether	Qualifiers			Analytical No.
CL-B01-S02	<0.023 mg/kg				69832
CL-B01-SO3	<0.024 mg/kg				69833
CL-B02-SO2	<0.025 mg/kg				69834
CL-B02-SO1	<0.024 mg/kg				69835
CL-B03-SO2	<0.023 mg/kg				69836
CL-B03-SO3	<0.024 mg/kg				69837
CL-B04-SO2	<0.024 mg/kg				69838
CL-B04-SO4	<0.024 mg/kg				69839
CL-G1-SO3	<1.22 mg/kg				69840
CL-G1-SO4	<2.41 mg/kg				69841
CL-G2-SO3	<0.025 mg/kg				69842
CL-G2-SO4	<0.024 mg/kg				69843
CL-G3-SO3	<0.023 mg/kg				69844
CL-G3-SO4	<0.022 mg/kg				69845
CL-G4-SO3	<0.024 mg/kg				69846
CL-G4-SO4	<0.024 mg/kg				69847
CL-G5-SO1	<0.022 mg/kg				69848
CL-G5-SO3	<0.024 mg/kg				69849
CL-B05-SO1	<0.022 mg/kg				69850
CL-B05-SO2	<0.023 mg/kg				69851

Results calculated on a dry weight basis.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

070021.2

Lab Id	Client Sample ID	Date/Time		Matrix
070021	CL-G1-W010501	05/01/01	09:30	WATER
070022	CL-G2-W010501	05/01/01	10:20	WATER
070023	CL-G3-W010501	05/01/01	12:50	WATER
070024	CL-G4-W010501	05/01/01	12:00	WATER
070025	CL-G5-W010501	05/01/01	11:20	WATER
070026	CL-G2-D010501	05/01/01	10:20	WATER
070027	CL-G3-B010501	05/01/01	12:50	WATER
070028	CL-B06-501	05/01/01	09:40	SOIL
070029	CL-B06-SO2	05/01/01	09:45	SOIL
070030	CL-B12-SO3	05/01/01	11:50	SOIL
070031	CL-B16-SO3	05/01/01	14:10	SOIL
070032	CL-B17-SO2	05/01/01	15:00	SOIL
070033	CL-B17-SO3	05/01/01	15:10	SOIL
070153	CL-B07-SO2	05/02/01	09:30	SOIL
070154	CL-B09-SO3	05/02/01	10:55	SOIL
070155	CL-B11-SO1	05/02/01	11:50	SOIL
070156	CL-B15-SO3	05/02/01	12:40	SOIL
071182	CL-SB03W010514	05/14/01	10:10	GROUNDWATER
071183	CL-SB05W010514	05/14/01	09:05	GROUNDWATER
071184	CL-SB06W010514	05/14/01	09:20	GROUNDWATER
071185	CL-SB07W010514	05/14/01	10:45	GROUNDWATER
071186	CL-SB07D010514	05/14/01	10:45	GROUNDWATER
071187	CL-SB12B010514	05/14/01	11:30	GROUNDWATER
071188	CL-SB12W010514	05/14/01	12:30	GROUNDWATER
071189	CL-SB16W010514	05/14/01	13:50	GROUNDWATER
071190	TRIP BLANK-USF	05/14/01		WATER

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
mv = millivolts
ppth = Parts per thousand

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XB
REPORT NO. : 070021.3
DATE REC'D : See below
REPORT DATE: 08/29/01
PREPARED BY: JRS
REVIEWED BY:

Attn: Lanette Altenbach

Sample ID	Isopropyl Ether		Qualifiers			Analytical No.
Rec'd 5/3/01						
CL-G1-W010501	<150.	µg/l				70021
CL-G2-W010501	<0.15	µg/l				70022
CL-G3-W010501	<0.15	µg/l				70023
CL-G4-W010501	<0.15	µg/l				70024
CL-G5-W010501	<0.15	µg/l				70025
CL-G2-D010501	<0.15	µg/l				70026
CL-G3-B010501	<0.15	µg/l				70027
CL-B06-501	0.255	mg/kg				70028
CL-B06-SO2	<0.023	mg/kg				70029
CL-B12-SO3	<0.024	mg/kg				70030
CL-B16-SO3	<0.025	mg/kg				70031
CL-B17-SO2	<0.029	mg/kg				70032
CL-B17-SO3	<0.027	mg/kg				70033
Rec'd 5/4/01						
CL-B07-SO2	<0.023	mg/kg				70153
CL-B09-SO3	<0.024	mg/kg				70154
CL-B11-SO1	<0.022	mg/kg				70155
CL-B15-SO3	<0.027	mg/kg				70156
Rec'd 5/16/01						
CL-SB03W010514	<0.15	µg/l				71182
CL-SB05W010514	<0.15	µg/l				71183
CL-SB06W010514	<0.15	µg/l				71184
CL-SB07W010514	<0.15	µg/l				71185
CL-SB07D010514	<0.15	µg/l				71186
CL-SB12B010514	<0.15	µg/l				71187
CL-SB12W010514	<0.15	µg/l				71188
CL-SB16W010514	<0.15	µg/l				71189
TRIP BLANK-USF	<0.15	µg/l				71190

Results for soil samples are calculated on a dry weight basis and reported as mg/kg.

APPENDIX G

Groundwater Laboratory Analytical Results

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 715-359-7226
FACSIMILE 715-355-3221

June 7, 2001

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

Attn: Lanette Altenbach

REPORT NO.: 071182 **PROJECT NO.: 86415XA**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received May 16, 2001.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

James R. Salkowski
Laboratory Director

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Release of this Final Report is authorized as verified by the following signature.

Approved by: Eric P. Mueller

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

071182.2

Lab Id	Client Sample ID	Date/Time	Matrix
071182	CL-SB03W010514	05/14/01 10:10	GROUNDWATER
071183	CL-SB05W010514	05/14/01 09:05	GROUNDWATER
071184	CL-SB06W010514	05/14/01 09:20	GROUNDWATER
071185	CL-SB07W010514	05/14/01 10:45	GROUNDWATER
071186	CL-SB07D010514	05/14/01 10:45	GROUNDWATER
071187	CL-SB12B010514	05/14/01 11:30	GROUNDWATER
071188	CL-SB12W010514	05/14/01 12:30	GROUNDWATER
071189	CL-SB16W010514	05/14/01 13:50	GROUNDWATER
071190	TRIP BLANK-USF	05/14/01	WATER

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING: All samples submitted were completed for all analyses requested (Completeness = 100%). Deviations in precision and accuracy are noted with the appropriate qualifiers for that analyte on the following report pages.

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.3
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB03W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 10:10 Lab No. 071182

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		06/04/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1	SPL	05/31/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/24/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1		05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1		06/01/01	DJB
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/29/01	JCH
EPA 6010								
Total Barium	69.	µg/l	2.	6.7	1		05/29/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/29/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/29/01	BMS
Total Nickel	<3.	µg/l	3.	10.	1		05/29/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/29/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/18/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1		05/18/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/18/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
cis-1,2-Dichloroeth(yl)ene	0.524	µg/l	0.15	0.5	1		05/18/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1	CSH	05/18/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/18/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.4
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB03W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 10:10 Lab No. 071182

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Ethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/18/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/18/01	MPM
Tetrachloroeth(yl)ene	3.41	µg/l	0.15	0.5	1		05/18/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM
Trichloroeth(yl)ene	0.486	µg/l	0.1	0.333	1		05/18/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/18/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/27/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/27/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/27/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/27/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/27/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/27/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/27/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/27/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/27/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/27/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/27/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/27/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/27/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/27/01	GLS
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/27/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/27/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/27/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/27/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/21/01	CKV

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.5
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB05W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 09:05 Lab No. 071183

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		06/04/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1		05/31/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/24/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1		05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1		06/01/01	DJB
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/29/01	JCH
EPA 6010								
Total Barium	157.	µg/l	2.	6.7	1		05/29/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/29/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/29/01	BMS
Total Nickel	8.	µg/l	3.	10.	1	J	05/29/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/29/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/18/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1		05/18/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/18/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
cis-1,2-Dichloroeth(yl)ene	1.28	µg/l	0.15	0.5	1		05/18/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1	CSH	05/18/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/18/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM

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TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.6
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB05W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 09:05 Lab No. 071183

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Ethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/18/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/18/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/18/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Vinyl Chloride	1.16	µg/l	0.12	0.4	1		05/18/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/27/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/27/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/27/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/27/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/27/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/27/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/27/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/27/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/27/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/27/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/27/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/27/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/27/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/27/01	GLS
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/27/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/27/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/27/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/27/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/21/01	CKV

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FACSIMILE 715-355-3221

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11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.7
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB06W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 09:20 Lab No. 071184

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		06/04/01	JCH
Total Arsenic	3.01	µg/l	2.4	7.99	1	J	05/31/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/24/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1		05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1		06/01/01	DJB
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/29/01	JCH
EPA 6010								
Total Barium	189.	µg/l	2.	6.7	1		05/29/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/29/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/29/01	BMS
Total Nickel	23.	µg/l	3.	10.	1		05/29/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/29/01	BMS
EPA 8260								
Benzene	0.375	µg/l	0.15	0.5	1	J	05/22/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1	SPL	05/22/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/22/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1		05/22/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/22/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1	CSL	05/22/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/22/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1		05/22/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSH	05/22/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/22/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	CSL	05/22/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1	CSL	05/22/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
cis-1,2-Dichloroeth(yl)ene	6.65	µg/l	0.15	0.5	1		05/22/01	MPM
trans-1,2-Dichloroethylene	0.415	µg/l	0.15	0.5	1	J	05/22/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/22/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/22/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/22/01	MPM

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TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.8
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB06W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 09:20 Lab No. 071184

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Ethylbenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/22/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1	CSL SPL	05/22/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/22/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/22/01	MPM
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/22/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/22/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/22/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/22/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/22/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/22/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/22/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
Vinyl Chloride	4.51	µg/l	0.12	0.4	1		05/22/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/22/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/22/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/31/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/31/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/31/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/31/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/31/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/31/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/31/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/31/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/31/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/31/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/31/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/31/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/31/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/31/01	GLS
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/31/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/31/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/31/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/31/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/21/01	CKV

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.9
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB07W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 10:45 Lab No. 071185

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		06/04/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1		05/31/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/24/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1		05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1		06/01/01	DJB
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		05/29/01	JCH
EPA 6010								
Total Barium	56.	µg/l	2.	6.7	1		05/29/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/29/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/29/01	BMS
Total Nickel	4.	µg/l	3.	10.	1	J	05/29/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/29/01	BMS
EPA 8260								
Benzene	0.216	µg/l	0.15	0.5	1	J	05/18/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/18/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1		05/18/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/18/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1	CSH	05/18/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/18/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.10
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB07W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 10:45 Lab No. 071185

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Ethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/18/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/18/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/18/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/18/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/27/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/27/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/27/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/27/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/27/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/27/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/27/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/27/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/27/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/27/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/27/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/27/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/27/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/27/01	GLS
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/27/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/27/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/27/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/27/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/21/01	CKV

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.11
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB07D010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 10:45 Lab No. 071186

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		06/04/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1		05/31/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		05/24/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1		05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1		06/01/01	DJB
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		06/06/01	JCH
EPA 6010								
Total Barium	53.	µg/l	2.	6.7	1		05/29/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/29/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/29/01	BMS
Total Nickel	4.	µg/l	3.	10.	1	J	05/29/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/29/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/18/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1		05/18/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/18/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1	CSH	05/18/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/18/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.12
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB07D010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 10:45 Lab No. 071186

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Ethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/18/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/18/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/18/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/18/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/28/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/28/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/28/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/28/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/28/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/28/01	GLS
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/28/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/28/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/28/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/21/01	CKV

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.13
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB12B010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 11:30 Lab No. 071187

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		06/04/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1		05/31/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		06/04/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1		05/25/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1		06/01/01	DJB
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		06/06/01	JCH
EPA 6010								
Total Barium	<2.	µg/l	2.	6.7	1		05/29/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/29/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/29/01	BMS
Total Nickel	<3.	µg/l	3.	10.	1		05/29/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/29/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/18/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1		05/18/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/18/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1	CSH	05/18/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/18/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.14
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB128010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 11:30 Lab No. 071187

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Ethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/18/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/18/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/18/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/18/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/28/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/28/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/28/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/28/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/28/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/28/01	GLS
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/28/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/28/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/28/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/21/01	CKV

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.15
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB12W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 12:30 Lab No. 071188

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		06/04/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1		05/31/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		06/04/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1		05/31/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1		06/01/01	DJB
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		06/06/01	JCH
EPA 6010								
Total Barium	134.	µg/l	2.	6.7	1		05/29/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/29/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/29/01	BMS
Total Nickel	<3.	µg/l	3.	10.	1		05/29/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/29/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	05/18/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1		05/18/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1	CSL	05/18/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/18/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
cis-1,2-Dichloroeth(yl)ene	138.	µg/l	0.15	0.5	1		05/18/01	MPM
trans-1,2-Dichloroethylene	6.10	µg/l	0.15	0.5	1		05/18/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1	CSH	05/18/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/18/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/18/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI-53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.16
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB12W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 12:30 Lab No. 071188

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Ethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/18/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/18/01	MPM
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/18/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/18/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/18/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/18/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1	SPL	05/18/01	MPM
Vinyl Chloride	10.3	µg/l	0.12	0.4	1		05/18/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/18/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/18/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/28/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/28/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/28/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/28/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/28/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/28/01	GLS
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/28/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/28/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/28/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/21/01	CKV

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

a VIVENDI water company

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.17
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB16W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 13:50 Lab No. 071189

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Total Antimony	<1.21	µg/l	1.2	4.0	1		06/04/01	JCH
Total Arsenic	<2.40	µg/l	2.4	7.99	1		05/31/01	JCH
Total Cadmium	<0.2	µg/l	-	0.2	1		06/04/01	JCH
Total Lead	<1.00	µg/l	1.0	3.33	1		05/31/01	JCH
Total Selenium	<3.00	µg/l	-	3.0	1		06/01/01	DJB
EPA 245.1								
Total Mercury	<0.2	µg/l	0.2	0.666	1		06/06/01	JCH
EPA 6010								
Total Barium	199.	µg/l	2.	6.7	1		05/29/01	BMS
Total Chromium	<1.	µg/l	1.	3.3	1		05/29/01	BMS
Total Copper	<4.	µg/l	4.	13.3	1		05/29/01	BMS
Total Nickel	4.	µg/l	3.	10.	1	J	05/29/01	BMS
Total Silver	<3.	µg/l	3.	10.	1		05/29/01	BMS
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/24/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1		05/24/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/24/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/24/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1		05/24/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1		05/24/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/24/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1	CSH	05/24/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1	CSH	05/24/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/24/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/24/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/24/01	MPM

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.18
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: CL-SB16W010514 Matrix: GRDWTR Sample Date/Time: 05/14/01 13:50 Lab No. 071189

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Ethylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/24/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/24/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/24/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/24/01	MPM
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/24/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/24/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/24/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/24/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/24/01	MPM
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/24/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/24/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/24/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/24/01	MPM
EPA 8310								
Acenaphthene	<0.1	µg/l	0.1	0.333	1		05/28/01	GLS
Acenaphthylene	<0.15	µg/l	0.15	0.5	1		05/28/01	GLS
Anthracene	<0.09	µg/l	0.09	0.3	1		05/28/01	GLS
Benzo(a)Anthracene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Benzo(a)Pyrene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Benzo(b)Fluoranthene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Benzo(k)Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Benzo(ghi)Perylene	<0.09	µg/l	0.09	0.3	1		05/28/01	GLS
Chrysene	<0.02	µg/l	0.02	0.0666	1		05/28/01	GLS
Dibenzo(a,h)Anthracene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
Fluoranthene	<0.03	µg/l	0.03	0.0999	1		05/28/01	GLS
Fluorene	<0.11	µg/l	0.11	0.366	1		05/28/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
1-Methyl Naphthalene	<0.13	µg/l	0.13	0.433	1		05/28/01	GLS
2-Methyl Naphthalene	<0.12	µg/l	0.12	0.4	1		05/28/01	GLS
Naphthalene	<0.06	µg/l	0.06	0.2	1		05/28/01	GLS
Phenanthrene	<0.11	µg/l	0.11	0.366	1		05/28/01	GLS
Pyrene	<0.1	µg/l	0.1	0.333	1		05/28/01	GLS
Liquid Organic Extraction	COMP		-	-	-		05/21/01	CKV

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ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.19
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: TRIP BLANK-USF Matrix: WATER Sample Date/Time: 05/14/01 Lab No. 071190

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Benzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Bromobenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Bromochloromethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Bromodichloromethane	<0.06	µg/l	0.06	0.2	1		05/24/01	MPM
Bromoform	<0.07	µg/l	0.07	0.233	1		05/24/01	MPM
Bromomethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
n-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Carbon Tetrachloride	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Chlorobenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Chloroethane	<0.5	µg/l	0.5	1.67	1		05/24/01	MPM
Chloroform	<0.06	µg/l	0.06	0.2	1		05/24/01	MPM
Chloromethane	<0.17	µg/l	0.17	0.566	1		05/24/01	MPM
2-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
4-Chlorotoluene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Dibromochloromethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Dibromochloropropane(DBCP)	<0.25	µg/l	0.25	0.833	1		05/24/01	MPM
1,2-Dibromoethane(EDB)	<0.06	µg/l	0.06	0.2	1		05/24/01	MPM
Dibromomethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,2-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Dichlorodifluoromethane	<0.15	µg/l	0.15	0.5	1	CSH	05/24/01	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,2-Dichloroethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,1-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
cis-1,2-Dichloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
trans-1,2-Dichloroethylene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,3-Dichloropropane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
2,2-Dichloropropane	<0.15	µg/l	0.15	0.5	1	CSH	05/24/01	MPM
1,1-Dichloropropene	<0.25	µg/l	0.25	0.833	1		05/24/01	MPM
cis-1,3-Dichloropropene	<0.07	µg/l	0.07	0.233	1		05/24/01	MPM
trans-1,3-Dichloropropene	<0.09	µg/l	0.09	0.3	1		05/24/01	MPM
Ethylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		05/24/01	MPM
Isopropylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
4-Isopropyltoluene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		05/24/01	MPM
Methyl t-Butyl Ether(MTBE)	<0.14	µg/l	0.14	0.466	1		05/24/01	MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1		05/24/01	MPM
n-Propylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Styrene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,1,2,2-Tetrachloroethane	<0.08	µg/l	0.08	0.266	1		05/24/01	MPM
Tetrachloroeth(yl)ene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		05/24/01	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/24/01	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		05/24/01	MPM
1,1,1-Trichloroethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,1,2-Trichloroethane	<0.09	µg/l	0.09	0.3	1		05/24/01	MPM

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ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.20
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Sample ID: TRIP BLANK-USF Matrix: WATER Sample Date/Time: 05/14/01 Lab No. 071190

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260								
Trichloroeth(yl)ene	<0.1	µg/l	0.1	0.333	1		05/24/01	MPM
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,2,3-Trichloropropane	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		05/24/01	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
Vinyl Chloride	<0.12	µg/l	0.12	0.4	1		05/24/01	MPM
o-Xylene	<0.15	µg/l	0.15	0.5	1		05/24/01	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		05/24/01	MPM

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

PROJECT NO.: 86415XA
REPORT NO. : 071182.21
DATE REC'D : 05/16/01
REPORT DATE: 06/07/01
PREPARED BY: JRS

Attn: Lanette Altenbach

Qualifier Descriptions

SPL	Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
CSH	Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
J	Estimated concentration below laboratory quantitation level.

CHAIN OF CUSTODY RECORD

№ 26875

STS

RECORD NUMBER ______ THROUGH ______

Contact Person Lanette Altenbach
Phone No. 414-359-3030 Office STS-Milwaukee
Project No. 86415 XA PO No.
Project Name C+L Industrial Cleaners

Special Handling Request

- ☐ Rush
- ☐ Verbal
- ☐ Other

Laboratory US Filter
Contact Person Erik Martin
Phone No.
Results Due

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request (EPA 8260 w/ VOC 2 pre vials, 1 liter amber, 1 plastic)	Comments on Sample (Include Major Contaminants)
CL-SB03-W010514	5/14	10:10	✓		4	GW	✓	✓					VOC, PAH, metals	15071182
CL-SB05-W010514	↓	9:05	↓		↓	↓	↓	↓					↓	15071183
CL-SB06-W010514		9:20												15071184
CL-SB07-W010514		10:45												15071185
CL-SB07-D010514		10:45												15071186
CL-SB12-B010514		11:30												15071187
CL-SB12-W010514		12:30												15071188
CL-SB16-W010514		13:50												15071189
TB016	↓				2								VOC TB016 B1027010R 4-25-01 EAZ	15071190

Margin notes: Ag, F- As, Ba, F- Cd, Cr, Cu, Ni, Pb, F- Sb, F- Se, Hg, For pcp

Collected by: Adam Elvin	Date 5/14/01	Time 16:15	Delivery by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: [signature]	Date 5-16-01	Time 9:50	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A Received on Ice

Final Disposition:

Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

9/94cp10k

STS Consultants Ltd.
Consulting Engineers