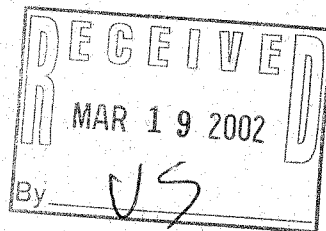




W66 N215 Commerce Court
Cedarburg, Wisconsin 53012
(262) 375-4750
(800) 645-7365
Fax (262) 375-9680

March 13, 2002

Mr. John Feeney
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Drive
Post Office Box 12436
Milwaukee, Wisconsin 53212-0436



Reference: *Remedial Action Report*
Tecumseh Product Company - Grafton Facility
900 North Street
Grafton, Wisconsin 53024
WDNR FID #: 246009170
WDNR BRRTS #: 02-46-000751

KEY ENGINEERING GROUP, LTD.
File No. 1007010

Dear Mr. Feeney:

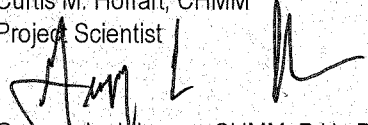
Please find enclosed the *Remedial Action Report* for the above reference site. This report was prepared by Key Engineering Group, Ltd. on behalf of Tecumseh Products Company.

Please call if you have any questions regarding this report.

Sincerely,

KEY ENGINEERING GROUP, LTD.


Curtis M. Hoffart, CHMM
Project Scientist

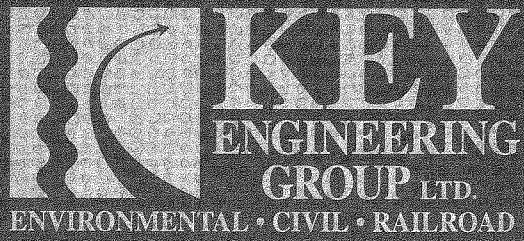

Gregory L. Johnson, CHMM, P.H., P.G., P.E.
Senior Engineer/Scientist

CMH/ch

Enclosure: *Remedial Action Report*

cc: Mr. Kerry DeKeyser, Tecumseh Products Company
Mr. Bharat Shah, Tecumseh Products Company
Mr. Peter Klas, Tecumseh Products Company
Mr. Bernd Rehm, RMT, Inc.
Mr. Timm Speerschneider, DeWitt, Ross & Stevens, S.C.

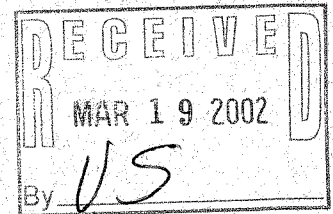
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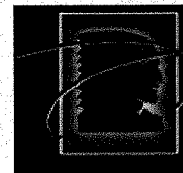


REMEDIAL ACTION REPORT

TECUMSEH - GRAFTON FACILITY
900 NORTH STREET
MILWAUKEE, WISCONSIN
WDNR FID #: 246009170
WDNR BRRTS #: 02-46-000751

March 13, 2002

Prepared For:



Tecumseh Products Company
1604 Michigan Avenue
New Holstein, Wisconsin 53061

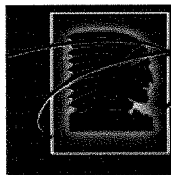
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REMEDIAL ACTION REPORT

TECUMSEH - GRAFTON FACILITY
900 NORTH STREET
GRAFTON, WISCONSIN
FID #: 246009170
BRRTS #: 02-46-000751


March 13, 2002

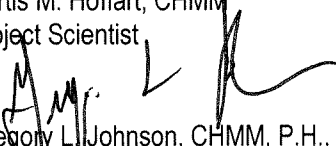
Prepared For:



Tecumseh Products Company
1604 Michigan Avenue
New Holstein, Wisconsin 53061

KEY ENGINEERING GROUP, LTD.

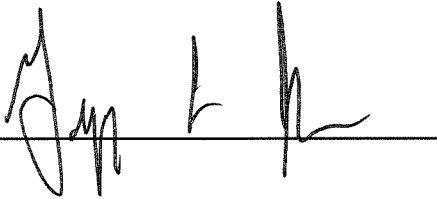

Curtis M. Hoffart, CHMM
Project Scientist


Gregory L. Johnson, CHMM, P.H., P.G., P.E.
Senior Engineer/Scientist

NR 700 SUBMITTAL CERTIFICATIONS

"I, Gregory L. Johnson, hereby certify that I am a hydrogeologist as that term is defined in the Wisconsin Administrative Code, Chapter NR 712.03 (1), 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 Chapters NR 700 to 726 of the Wisconsin Administrative Code."

Signature

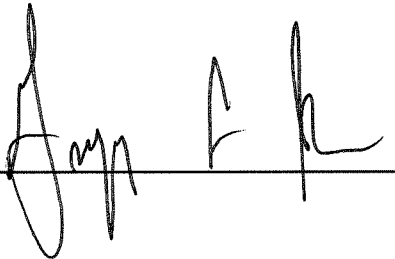


Date

3/13/02

"I, Gregory L. Johnson, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of Chapter A-E 4, of the Wisconsin Administrative Code; that this document has been prepared in accordance with the Rules of Professional Conduct in Chapters A-E 8, of the Wisconsin Administrative Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in Chapters NR 700 to 726, of the Wisconsin Administrative Code."

Signature



Stamp



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EXECUTIVE SUMMARY

Trichloroethene (TCE) and 1,1,1-trichloroethane (TCA) concentrations were detected in unsaturated soils east of the Tecumseh Product Company (TPC) facility (East Parking Lot Area) during previous site investigation activities.

The remedial action objective was to remove and treat accessible unsaturated soils with TCE and TCA concentrations greater than the Wisconsin Department of Natural Resources (WDNR) approved site specific target cleanup levels of 1 milligram per kilogram (mg/kg) and 10 mg/kg, respectively. The remedial action target soils were located in three remedial action target areas in the East Parking Lot Area.

Remedial action was conducted from approximately August to November 2000 and June to October 2001. Remedial action consisted of the excavation of soils from the remedial action target areas and treatment in two "tanks" constructed on the northern portion of the site. Soils were treated in the treatment tanks using a Scat[®] machine, which tills the soil and extracts volatile contaminants with a blower attached to an activated carbon collection unit. Following treatment to the target cleanup levels, the soils were used for backfilling the previously excavated remedial action target areas. A total of approximately 3,930 cubic yards (cy) of soil was excavated and treated to TCE and TCA concentrations below the WDNR approved site specific target cleanup levels.

Confirmation soil sample analytical results indicated that residual TCE or TCA concentrations generally met the target cleanup levels; however, localized TCE and/or TCA concentrations exceeding target cleanup levels were detected adjacent to underground utilities or structures that limited access. It is estimated that the volume of soils with residual TCE or TCA concentrations exceeding the target cleanup levels does not exceed 950 cy.

Due to the placement of approximately 1,100 cy of imported backfill material and bulking of treated soils, the excavation area could not accommodate the entire volume of treated soil. Approximately 600 to 800 cy of "excess" treated soils remaining following excavation backfilling were stockpiled on the eastern portion of the East Parking Lot Area. Because the stockpiled soils were treated to concentrations below the site specific target cleanup levels, TPC intends to utilize the soils on-site; however, if off-site placement or disposal of some or all of the soils is projected, the WDNR will be notified of the proposed off-site management strategy prior to implementation.

TCE concentrations below the target cleanup level were detected in the sand layers of the treatment tanks and in soils underlying the treatment tanks during treatment tank closure. The TCE impacted sand and soil (approximately 50 cy and 13.5 cy, respectively) were removed and temporarily stockpiled in the East Parking Lot Area adjacent to the excess treated soils. Because the TCE concentrations detected in the treatment tank sand and soil beneath the treatment tanks were well below the target cleanup level approved for the site, TPC intends to utilize the sand and soil on-site with the excess treated soils generated during remedial action.

1.0 INTRODUCTION

This *Remedial Action Report* for the Tecumseh Products Company (TPC) site in Grafton, Wisconsin was prepared for submittal to the Wisconsin Department of Natural Resources (WDNR) on behalf of TPC by Key Engineering Group, Ltd. (KEY).

The remedial action was performed in general accordance with the following:

- *Remedial Action Options and Design Report* (RMT, Inc., 1999).
- *Contaminant Mass Calculations - East Parking Lot Area* (KEY, 2000a).
- July 13, 2000 letter from WDNR to TPC (Appendix 1) documenting WDNR approval of target cleanup levels (WDNR, 2000a). (Note: This letter was incorrectly dated December 22, 1999.)
- *Remedial Action Work Plan* (KEY, 2000b).
- July 31, 2000 letter from WDNR to TPC (Appendix 2) documenting WDNR approval of the *Remedial Action Work Plan* (WDNR, 2000b).

The remedial action objective was to remove and treat accessible unsaturated soils with trichloroethene (TCE) and 1,1,1-trichloroethane (TCA) concentrations greater than the WDNR approved site specific target cleanup levels of 1 milligram per kilogram (mg/kg) and 10 mg/kg, respectively. The remedial action target soils were located in three areas east of TPC's facility (East Parking Lot Area). Soil treatment was performed on-site, north of the facility.

2.0 BACKGROUND INFORMATION

2.1 Remedial Action Contacts

Wisconsin Department of Natural Resources 2300 North Martin Luther King Drive Post Office Box 12436 Milwaukee, Wisconsin 53212	Mr. John Feeney Hydrogeologist	Phone: (414) 263-8365 Fax: (414) 263-8483
Responsible Party/Owner: Tecumseh Products Company 1604 Michigan Avenue New Holstein, Wisconsin 53211	Mr. Kerry DeKeyser Corporate Director of Environmental Control	Phone: (920) 898-2700 Fax: (920) 898-2114 dekeyser@dotnet.com
Remedial Action Contractor: North Shore Environmental Construction N117 W18493 Fulton Drive Germantown, Wisconsin 53022	Mr. Chuck Scheffer Senior Project Manager	Phone: (262) 255-4468 Fax: (262) 2556993 chuck@nsecinc.com
Soil Sampling/Periodic Excavation Oversight: Key Engineering Group, Ltd. W66 N215 Commerce Court Cedarburg, Wisconsin 53012	Mr. Curtis Hoffart Project Scientist	Phone: (262) 375-4750 Fax: (262) 375-9680 choffart@keyengineering.com
Laboratory: APL, Inc. 8222 West Calumet Road Milwaukee, Wisconsin 53223	Mr. Jim Chang Lab Director	Phone: (414) 355-5800 Fax: (414) 355-3099

2.2 Site Location and Description

The site is located at 900 North Street, Grafton, Wisconsin, in the southwest ¼ of the southeast ¼ of Section 13, Township 10 North, Range 21 East, Ozaukee County, Wisconsin. The site location is depicted on Figure 1.

The site layout is depicted on Figure 2. The site has been occupied by a small engine manufacturing facility, currently owned and operated by TPC, since the mid-1950s. Machining of engine and compressor parts, aqueous parts cleaning, painting and limited engine testing are conducted at the site. The facility's manufacturing history is summarized in the *Remedial Action Options and Design Report (RMT, 1999)*.

The East Parking Lot Area has reportedly been gravel-covered since initial construction of the facility in the 1950s. The East Parking Lot Area is used as a truck access drive and loading dock area. Multiple underground utilities, including water, sanitary sewer, storm sewer and natural gas, are located in the East Parking Lot Area.

The site is bound by the following general land uses: residential to the north and west, mixed residential and commercial to the east and industrial to the south.

2.3 Summary of Site Conditions

Site investigation results pertaining to the East Parking Lot Area are summarized as follows:

- The site geology is generally characterized by approximately 9 to 12 feet of silty clay overlying silty sand. The silty sand is present to a depth of approximately 30 feet below ground surface (bgs).
- Groundwater is located at a depth of approximately 10 to 12 feet bgs.
- TCE and TCA concentrations were detected in unsaturated soils throughout the East Parking Lot Area. Two areas of relatively high TCE concentrations and one area of relatively high TCA concentrations were identified in the East Parking Lot Area.

2.4 Target Cleanup Levels and Remedial Action Target Areas

Based on the site investigation data, three remedial action target areas were identified in the East Parking Lot Area (RMT, 1999). Based on an evaluation of contaminant mass reduction, it was estimated that the volume of soils impacted with volatile organic compounds (VOCs) at concentrations greater than 1 mg/kg included approximately 90 percent of the contaminant mass in the East Parking Lot Area. To evaluate whether this concentration is protective of human health and the environment, it was compared to applicable industrial direct contact screening levels (i.e., United States Environmental Protection Agency (USEPA)). Based on this comparison, it was concluded that a TCE concentration of 1 mg/kg and a TCA concentration of 10 mg/kg would meet applicable industrial direct contact screening levels. Furthermore, it was concluded that addressing 90 percent of the contaminant mass would remove a significant fraction of contaminants which could contribute to long-term leaching to groundwater.

The following remedial action target areas were identified based on the developed target cleanup levels (1 mg/kg for TCE and 10 mg/kg for TCA):

Remedial Action Target Area	Primary Contaminant of Concern	Estimated Volume (cubic yards)	Estimated Depth (feet below ground surface)
Area # 1	TCE	700	12
Area # 2	TCA	280	10
Area # 3	TCE	3,400	10

The remedial action target areas are depicted on Figure 2.

Pursuant to the development of the target cleanup levels and the planned remedial approach (excavation and on site treatment), the WDNR requested a further estimation of contaminant mass within the remedial action target areas and the contaminant mass that would be returned to the target areas following treatment. Based on the results of this evaluation, it was conservatively estimated that the remedial action approach would result in an approximate 86 percent reduction in the total contaminant mass within the remedial action target areas (KEY, 2000a). The WDNR indicated that the target cleanup levels were approved as residual contaminant levels in a July 13, 2000 letter to TPC (WDNR, 2000a). A copy of this letter is included in Appendix 1.

2.5 Remedial Action Approach

The remedial action approach was documented to the WDNR in KEY's July 26, 2000 *Remedial Action Plan* (KEY, 2000b). The WDNR approved of the *Remedial Action Plan* in a July 31, 2000 letter to TPC (WDNR, 2000b). A copy of this WDNR letter is included in Appendix 2.

Remedial action consisted of the excavation of soils from the remedial action target areas and treatment in two "tanks" constructed on the northern portion of site. Soils were treated in the treatment tanks using a Scat[®] machine, which tills the soil and extracts volatile contaminants with a blower attached to an activated carbon collection unit. Following treatment to the target cleanup levels, the soils were used for backfilling the previously excavated remedial action target areas.

3.0 REMEDIAL ACTION

3.1 General

The remedial action tasks and period of performance are summarized in the following table.

PERIOD OF PERFORMANCE	REMEDIAL ACTION TASKS
August 2000	<ul style="list-style-type: none">• collection of pretreatment soil samples at treatment tank locations• construction of treatment tanks
August 23, 2000 to August 28, 2000	<ul style="list-style-type: none">• excavation of Target Area #1
September 14, 2000 to September 15, 2000	<ul style="list-style-type: none">• excavation of Target Area #2
September 15, 2000 to October 19, 2000 and June 26, 2001 to August 9, 2001	<ul style="list-style-type: none">• excavation of Target Area #3
August 2001 to October 2001	<ul style="list-style-type: none">• collection of treatment tank sand samples and post treatment soil samples at the treatment tank locations• closure of the treatment tanks

The remedial action was conducted in accordance with the *Remedial Action Plan* (KEY, 2000b). The remedial action was conducted by North Shore Environmental Construction (NSEC). KEY periodically visited the site to collect excavation soil samples and treatment tank performance soil samples. Selected photographs of remedial action activities are included in Appendix 3.

3.2 Treatment Tank Construction

Two treatment tanks (north tank and south tank) were constructed by NSEC in August 2000. The location of the treatment tanks is depicted on Figure 2 and the tank construction details are depicted on Figure 3.

Each tank was constructed to hold up to 500 cubic yards (cy) of excavated soil (approximately 20 feet wide and 300 feet long). The tank bases were excavated to a depth of approximately 6 inches bgs and consisted of a 20-mil low-density polyethylene liner covered with approximately 6 inches of sand. The walls of the tanks were constructed with 3/4-inch plywood with exterior wood bracing. The tanks utilized a waterproof vinyl cover which overlapped the tank sidewalls. The cover was anchored with sand bags.

Clean soils excavated during tank construction were stockpiled on-site adjacent to the treatment tanks (the excavated soils were placed over the treatment tanks following tank closure). On August 4, 2000, prior to the construction of the treatment tanks, three soil samples were collected from each treatment tank pad to document pretreatment soil conditions. One soil sample was also collected from each of the locations designated for the stockpiling of soils generated during treatment tank construction. The soil samples were collected at approximately 6 inches to 1 foot bgs using a hand auger and were submitted to APL, Inc. (APL) for analysis of VOCs. The soil sample analytical results indicated that no VOCs were detected in any of the soil samples. The laboratory report is included in Appendix 4.

3.3 Soil Excavation and Treatment

3.3.1 General

The excavation and treatment periods and volume excavated from each remedial action target area are summarized below:

TARGET AREA	PERIOD OF EXCAVATION	APPROXIMATE PERIOD OF TREATMENT	VOLUME
1	August 23 to 28, 2000	August 23, 2000 to September 11, 2000	1,000 cy
2	September 14 to 15, 2000	September 14 to 18, 2000	230 cy
3	September 15, 2000 to October 19, 2000 and June 26, 2001 to August 9, 2001	September 15, 2000 to November 27, 2000 and June 18, 2001 to August 31, 2001	2,700 cy

Soils were excavated and transferred to the treatment tanks. During soil excavation, confirmation soil samples were collected from the excavation sidewalls at intervals of approximately every 25 feet to evaluate whether residual soils met the target cleanup levels. The soil samples were submitted to APL for TCE and TCA screening using the electron capture detection (ECD) method (VOC method not corrected for sample moisture content). If the results of the screening analysis indicated that a soil sample met the target cleanup levels, APL was authorized to analyze the soil sample for VOCs using USEPA Method 8260 (GC/MS analysis) (soil samples occasionally had to be recollected for GC/MS analysis due to exceedance of holding times). Soil samples were also collected adjacent to several utilities and structures which restricted access to impacted soil to document the degree of residual soil impacts. Area specific impediments to excavation are documented in the following sections.

Soil treatment was conducted, weather permitting, during normal business hours. The treatment tanks were covered when soils were not undergoing treatment. The soils were treated using the Scat[®] machine to remove VOCs from the soil. The Scat[®] machine was pulled over the soil by a tractor located adjacent to the treatment tanks (the Scat[®] machine treated one-half of the soils within the tank with each pass). As needed, generally when soils with a relatively high moisture content were encountered, the soils were dried using an infrared heater prior to treatment with the Scat[®] machine.

The treatment tank performance monitoring sampling protocol included the following components:

- Each treatment tank was divided into a sampling grid consisting of eight sections; each section was approximately 75 feet long by 10 feet wide.
- Soil samples were collected from approximately the same location within each grid section during treatment. The soil samples were submitted to APL for TCE and TCA screening using ECD analysis to evaluate whether the soils undergoing treatment met the target cleanup levels.
- Each grid section which did not meet target cleanup levels was resampled following additional treatment.
- Four of the soil samples from each treatment tank were also analyzed using GC/MS analysis to verify compliance with the target cleanup levels.

The treatment tank performance monitoring results for the north and south tank are documented in Tables 1 and 2, respectively. Laboratory reports for Target Area #1, #2 and #3 soil samples are included in Appendices 5, 6 and 7, respectively. Each treatment tank was filled six times during remedial action.

Following verification that the soils were adequately treated, treated soils were utilized as backfill for the excavated areas. The initial area of excavation was backfilled with imported granular backfill concurrently with the initial period of treatment to maintain TPC truck traffic access in the East Parking Lot Area and to avoid the potential collection of surface water in an open excavation while soils were being treated.

3.3.2 Target Area #1

The proposed and actual extent of the Target Area #1 excavation is depicted on Figure 4. Target Area #1 was located in the vicinity of soil boring SB-18 TCA (RMT, 1999), at which a TCE concentration of 12 mg/kg was detected in soil during the site investigation. Based on the excavation sidewall soil sample screening results, the volume of excavated soils in Target Area #1 was approximately 1,000 cy, or approximately 300 cy greater than the initial Target Area #1 estimate. The excavation Area included two excavations separated by a buried propane gas line located east of soil boring SB-18 TCA. Soil was excavated to approximately 12 feet bgs in the east excavation and approximately 10 feet bgs in the west excavation.

A total of 28 confirmation soil samples were collected during the Target Area #1 excavation and were submitted to APL for TCE and TCA screening analysis. Six soils samples were analyzed for VOCs using GC/MS methods. The soil sample analytical results are summarized in Table 3A and on Figure 4. The laboratory reports are included in Appendix 5.

The confirmation soil sample analytical results indicated that the target cleanup levels were generally met; however, residual concentrations of TCE above the target cleanup levels were detected primarily adjacent to the propane gas line, a propane filling shed and associated concrete pad. Based on the results of the site investigation, the volume of residual soils with TCE concentrations exceeding the target cleanup level does not likely exceed 500 cy (the site investigation soil sample analytical data collected close vicinity to Target Area #1 is summarized on Figure 4). The WDNR was notified of the Target Area #1 results in KEY's September 13, 2000 *Project Status Update* letter (KEY, 2000c). It should be noted that relatively low concentrations of VOCs other than TCE and TCA were detected in excavation soil samples or treatment tank monitoring soil samples, including 1,1-dichloroethane (DCA), cis-1,2-dichloroethene (DCE) and tetrachloroethene (PCE). ✖

Due to heavy truck traffic and the presence of buried utilities in the vicinity of the excavations, the excavations were backfilled with approximately 1,000 cy of clean imported fill material (stone) on August 29 and 30, 2000. Pursuant to KEY's October 10, 2000 *Project Status* letter (KEY, 2000d) to and subsequent conversation with Mr. John Feeney at the WDNR, the majority imported fill material was removed from Target Area #1 and was replaced with treated soil from the treatment tanks in October 2000. The imported fill material was stockpiled on-site for later use in the East Parking Lot Area (the backfill was ultimately utilized to backfill portions of the base of the Target Area #3 excavation).

3.3.3 Target Area #2

The proposed and actual extent of the Target Area #2 excavation is depicted on Figure 5. Target Area #2 was located in the vicinity of soil boring SB-3 TCA (RMT, 1999), at which a TCA concentration of 16 mg/kg was detected in soil during the site investigation. The Area of the Target Area #2 excavation was generally as expected; however, excavation to

the east was limited due to the presence of an underground water utility. A total of approximately 230 cy of soil was excavated, or about 50 cy less than was anticipated.

A total of four confirmation soil samples were collected during the Target Area #2 excavation and were submitted to APL for TCE and TCA screening analysis and VOC analysis using GC/MS methods. The soil sample analytical results are summarized in Table 3B and on Figure 5. The laboratory reports are included in Appendix 6.

The confirmation soil sample analytical results indicated that no concentrations of TCA (or TCE) exceeded the target cleanup level, with the exception of a TCA concentration (10.5 mg/kg) slightly exceeding the target cleanup level detected on the east excavation sidewall adjacent to the water utility (S-2-3). Based on the results of the site investigation and the Target Area #3 soil sample analytical results, the volume of soils with residual TCA concentrations exceeding the target cleanup level in the vicinity of the water utility does not likely exceed 50 cy.

The Target Area #2 excavation was backfilled with treated soil from the treatment tanks.

3.3.4 Target Area #3

The proposed and actual extent of the Target Area #3 excavation is depicted on Figure 5. Target Area #3 was located east of Target Area #2. TCE concentrations ranging from 5.7 to 130 mg/kg were detected in soil at seven soil borings conducted during the investigation. The Area of the Target Area #3 excavation was generally as expected; however, excavation in the eastern margin of Target Area #3 was limited due to the presence of an underground storm sewer and a monitoring well/piezometer nest (MW-12, MW-12BR and MW-13BR). Soil samples were collected adjacent to these features to document residual TCE and TCA concentrations. Soil was excavated to a depth of approximately 10 feet bgs. A total of approximately 2,770 cy of soil was excavated, or about 630 cy less than was anticipated.

During the course of soil excavation, two utilities, a sanitary sewer and storm sewer, were encountered and damaged which resulted in releases of water to the open excavation. In both cases the water was contained in "inactive" excavation areas using berms on the excavation base. No water was removed from the excavations. When necessary, imported backfill (stone) was used to stabilize the excavation base where small volumes of standing water was present (approximately 1,100 cy total).

The sanitary sewer lateral was initially encountered on the western portion of the Target Area #3. The sanitary sewer lateral, which apparently serviced restrooms located in the east portion of the facility, extended from east to west through Target Area #3 to a sanitary sewer located near the east property boundary (see Figure 5). This sanitary sewer was removed and replaced as Target Area #3 was being excavated. On several occasions, incidental discharges of water to the excavation occurred when use of the restrooms was not immediately restricted. Most notably, approximately 1,000 gallons of water was discharged into the excavation between June 26 and 27, 2001.

The storm sewer (20-inch diameter concrete pipe), apparently serving as an overflow outlet for the pond located on the south side of the site, was encountered and damaged on the northeastern portion of Target Area #3 on July 27, 2001. Approximately 2,000 gallons of water was released into the excavation before the flow could be restricted.

A total of 34 confirmation soil samples were collected during the Target Area #3 excavation and were submitted to APL for TCE and TCA screening analysis. Fifteen of the soil samples were analyzed for VOCs using GC/MS methods. The soil sample analytical results are summarized in Table 3C and on Figure 5. The laboratory reports are included in Appendix 7.

The confirmation soil sample analytical results indicated that the target cleanup levels were met with the exception of residual TCE concentrations detected adjacent to the water utility located on the west side of Target Area #3 (S-3-1) and adjacent to the storm sewer lateral and monitoring well/piezometer nest (S-3-27, S-3-30 and S-3-31). The volume of soils with residual TCE concentrations exceeding the target cleanup level on the west and east sides of Target Area #3 does not likely exceed 50 cy and 350 cy, respectively.

In late October 2000, after approximately 1,100 cy of soil had been excavated from Target Area #3, soil treatment became less effective, likely due to a combination of treating the relatively high contaminant concentrations encountered in Target Area #3 and the colder weather. Therefore, the WDNR was notified of TPC's intent to suspend soil treatment during the winter months and resume when conditions permitted during a November 16, 2000 telephone conversation and in KEY's December 7, 2001 *Project Status* letter (KEY, 2000e). A 30-day extension to the permitted 90-day hazardous waste generator treatment exemption period was also requested to permit the evaluation of other potential treatment options or to obtain a variance to exceed the treatment exemption period and the 90-day hazardous waste storage limit. The WDNR approved the 30-day extension in a December 22, 2000 letter (incorrectly dated December 22, 1999) (WDNR, 2000c). A copy of the WDNR's letter is included in Appendix 8. When treatment was suspended in November 2000, the north and south treatment tanks contained approximately 150 cy and 250 cy of soil, respectively.

A variance to suspend the treatment of contaminated soil until 2001 was requested in KEY's December 21, 2000 *Hazardous Waste Variance Request* (KEY, 2000f). In response to this letter, the WDNR indicated that additional information was needed before the variance request could be approved. This information was submitted in KEY's February 6, 2001 *Response to Points of Incompleteness* (KEY, 2001a). The WDNR issued a draft conditional variance approval to TPC and KEY on January 26, 2001 (WDNR, 2001a); the final approval letter was issued by WDNR on April 26, 2001 (WDNR, 2001b). Copies of the WDNR variance approval letters are included in Appendix 9.

Treatment of the soils subject to the hazardous waste variance began again on June 18, 2001, and treatment tank performance monitoring sampling was conducted on June 20, 2001. The results of the June 20, 2001 sampling event indicated that the soils met the target cleanup levels. The soils were subsequently removed from the treatment tanks, temporarily stockpiled in the East Parking Lot Area (to allow the placement of newly excavated soils in the treatment tanks) and utilized as Target Area #3 backfill. The WDNR was notified that the soils subject to the hazardous waste variance were treated in KEY's July 18, 2001 *Project Status Update* (2001b).

Following the completion of soil excavation, Target Area #3 was backfilled with treated soil from the treatment tanks (a portion of the excavation was previously backfilled with imported backfill). Due to the placement of some imported backfill material in the excavation, the excavation could not accommodate the entire volume of treated soil. Approximately 600 to 800 cy of "excess" treated soil were stockpiled on the eastern portion of the East Parking Lot Area. The stockpiled soils were placed on and covered with plastic by NSEC. TPC has periodically observed the integrity of the cover since the stockpile was constructed. Because the stockpiled soils were treated to concentrations below the site specific target cleanup levels, TPC intends to utilize the soils on-site; however, if off-site placement or disposal of some or all of the soils is projected, the WDNR will be notified of the proposed off-site management strategy prior to implementation.

3.4 Treatment Tank Closure

Treatment tank closure was conducted in accordance with the *Remedial Action Plan*, as clarified in the KEY's February 6, 2001 *Response to Points of Incompleteness* following the completion of soil treatment. Soil treatment was completed on the south tank on August 21, 2001 and on the north tank on August 31, 2001. Treatment tank closure consisted of:

(1) the sampling and analysis of the tank sand layer, (2) removal of the sand layer and (3) the sampling and analysis of soils underlying the treatment tanks.

The sampling and analysis of the sand layer was conducted using the treatment tank performance monitoring sampling protocol used for contaminated soils. Sand samples were collected from all eight grid sections on the south tank (ST-1 through ST-8) and four grid sections on the north tank (NT-3 through NT-6) on August 31, 2001. Samples were collected from the remaining four grid sections on the north tank (NT-1, NT-2, NT-7 and NT-8) on September 10, 2001 (following removal of the remaining treated soils). The soil samples were submitted to APL for TCE and TCA for screening using ECD analysis. Analysis of VOCs using GC/MS methods was requested for four of the sand samples collected from each treatment tank; however, due to laboratory error, only two of the samples collected from the north tank on September 10, 2001 (NT-1 and NT-7) were analyzed for VOCs.

The sand sample analytical results are summarized in Table 4 and the laboratory reports are included in Appendix 7. The ECD screening results indicated that low concentrations of TCE were detected in the three sand samples collected from the south tank and north tank respectively; TCA was not detected in any of the sand samples. Each of the detected TCE concentrations was at least one order of magnitude less than the TCE target cleanup level. The GC/MS analytical results indicated that TCE was not detected in either NT-1 or NT-7; however the laboratory detection limit was significantly higher than that reported for the ECD results. Based on the sand sample analytical results (ECD data), the sand (approximately 50 cy) was removed from the tanks and temporarily stockpiled adjacent to the stockpiled excess treated soil.

Three soil samples were collected from within each treatment tank footprint (NT-9, NT-10, NT-11, ST-9, ST-10, ST-11) on August 31, 2001 and September 10, 2001 to evaluate post treatment soil conditions at the treatment tank locations. The soil samples were evenly spaced within each tank footprint, one near the center of each tank (NT/ST-10) and one centrally located on the western and eastern halves of each tank (NT/ST-9 and NT/ST-11, respectively). The soil samples were submitted to APL for TCE and TCA analysis using GC/MS methods (the soil samples were also inadvertently analyzed for TCE and TCA using ECD methods). The soil sample analytical results indicated that TCE was detected in the soil sample collected on the eastern half of the south tank (ST-11) at a concentration of 0.276 mg/kg (GC/MS result) and in the soil sample collected on the western half of the north tank (NT-9) at a concentration of 0.013 mg/kg (ECD result) (The GC/MS data did not indicate that TCE was detected; however, the laboratory detection limit exceeded the concentration detected by the ECD analysis.). The presence of TCE was verified at the location of soil sample ST-11 by collecting a second soil sample at this location (ST-11A) on September 10, 2001. TCE was detected at a concentration of 0.032 mg/kg in ST-11A. The detected TCE concentrations did not exceed the target cleanup level.

Due to the detections of TCE within the tank footprints, approximately 8.5 cy and 5 cy of soil were excavated from the vicinity of soil samples ST-11/11A and NT-9, respectively, on September 27, 2001. The excavations were conducted to an approximate depth of 4.5 feet and 3.5 feet, respectively. The approximate excavation areas are depicted on Figure 6. These excavated soils were stockpiled adjacent to the excess treated soils generated during remedial action.

Five confirmation soil samples (ST-11B-1 through ST-11B-5 and NT-9A-1 through NT-9A-5) were collected from each excavation area (four sidewall samples and one base sample) to verify that the TCE impacted soil was removed. The soil sample locations are depicted on Figure 6. The soil samples were submitted to APL, Inc. for analysis of TCE and TCA using the electron capture detection (ECD) screening method and using United States Environmental Protection Agency method 8260 (GC/MS analysis). The soil sample analytical results indicated that no TCE or TCA concentrations were detected in any of the soil samples. The laboratory report is provided in Appendix 10. Following confirmation soil sample collection, the excavations were backfilled with the clean soil which was stockpiled at the time of treatment tank construction.

Because the TCE concentrations detected in the treatment tank sand and soil beneath the treatment tanks were well below the target cleanup level approved for the site, TPC intends to utilize the sand and soil on-site with the excess treated soils generated during remedial action.

Final tank closure activities were conducted in October 2001. The tank footprints were backfilled with the soils initially excavated and stockpiled from the tank locations and the tank Area was hydroseeded.

4.0 CONCLUSIONS

The remedial action conclusions are summarized as follows:

- A total of approximately 3,930 cy of contaminated soil was excavated and treated to TCE and TCA concentrations below WDNR approved site specific target cleanup levels.
- Confirmation soil sample analytical results indicated that residual TCE or TCA concentrations generally met the target cleanup levels; however, localized TCE and/or TCA concentrations exceeding target cleanup levels were detected adjacent to underground utilities or structures that limited access. Relatively small volumes of soils impacted with TCE or TCA concentrations exceeding target cleanup levels are located adjacent to the propane gas line, a propane filling shed and associated concrete pad in Target Area #1; adjacent to a water utility between Target Areas #2 and #3; and adjacent to a storm sewer lateral and monitoring well/piezometer nest on the east portion of Target Area #3. It is estimated that the volume of soils with residual TCE or TCA concentrations exceeding the target cleanup levels does not exceed 950 cy.
- Approximately 600 to 800 cy of "excess" treated soils remaining following excavation backfilling were stockpiled on the eastern portion of the East Parking Lot Area. Because the stockpiled soils were treated to concentrations below the site specific target cleanup levels, TPC intends to utilize the soils on-site; however, if off-site placement or disposal of some or all of the soils is projected, the WDNR will be notified of the proposed off-site management strategy prior to implementation.
- TCE concentrations below the target cleanup level were detected in the sand layers of the treatment tanks and in soils underlying the treatment tanks during treatment tank closure (approximately 50 cy and 13.5 cy, respectively). The TCE impacted sand and soil were removed and temporarily stockpiled on-site. Because the TCE concentrations detected in the treatment tank sand and soil beneath the treatment tanks were well below the target cleanup level approved for the site, TPC intends to utilize the sand and soil on-site with the excess treated soils generated during remedial action.

5.0 GENERAL QUALIFICATIONS

The work detailed in this report was performed using the degree of care and skill ordinarily exercised under similar circumstances, by environmental consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusions and recommendations included in this report.

The findings of this report, to the best of knowledge, are valid as of the date of this study. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge or from other reasons.

Specified information contained in this report has been obtained from secondary sources of information produced by entities other than Key Engineering Group, Ltd. Although care has been taken by Key Engineering Group, Ltd., in compiling this information, Key Engineering Group, Ltd., disclaims any and all liability for any errors, omissions or inaccuracies of this third party data.

This report was prepared for Tecumseh Products Company. The report is the property of Tecumseh Products Company and Key Engineering Group, Ltd., and cannot be used without written consent from both parties.

6.0 REFERENCES

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Wisconsin Department of Natural Resources (2000b). Letter to Tecumseh Products Company documenting *Remedial Action Plan* approval, July 31, 2000.

Wisconsin Department of Natural Resources (2000c). Letter to Tecumseh Products Company documenting an extension to the 90 day treatment period, December 22, 2000 (incorrectly dated December 22, 1999).

Wisconsin Department of Natural Resources (2001a). Letter to Tecumseh Products Company and Key Engineering Group, Ltd. documenting the draft conditional hazardous waste variance approval, January 2, 2001.

Wisconsin Department of Natural Resources (2001b). Letter to Tecumseh Products Company and Key Engineering Group, Ltd. documenting the final conditional hazardous waste variance approval, April 26, 2001.

TABLE 1A

SUMMARY OF NORTH TANK SOIL SAMPLE ANALYTICAL RESULTS

FIRST TREATMENT EVENT

SOIL EXCAVATED FROM AREA 1 FROM AUGUST 23, 2000 TO AUGUST 28, 2000

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)							
	TCE				TCA			
	Date	8/30/00	9/1/00	9/6/00	9/11/00	8/30/00	9/1/00	9/6/00
NT-1	4.170	2.510	0.999	0.458	0.056	0.032	0.016	0.0094
NT-2	2.100	0.798	0.362		0.014	0.016	0.014	
NT-3	1.260	0.548	0.409		0.028	0.043	0.016	
NT-4	0.419	0.559	0.463		0.065	0.026	0.018	
NT-5	0.823	0.972	0.562		0.022	0.019	0.014	
NT-6	3.940	1.320	0.468		0.016	0.029	0.018	
NT-7	5.760	0.474	0.509		0.068	0.029	0.022	
NT-8	0.533	2.060	0.635		0.045	0.037	0.016	

	GC/MS RESULTS (mg/kg)			
	TCE		TCA	
	Date	9/7/00	9/11/00	9/7/00
NT-1	1.260	0.528	0.035	<0.017
NT-2				
NT-3	0.802		0.039	
NT-4				
NT-5	0.449		<0.017	
NT-6				
NT-7	0.775		<0.017	
NT-8				

Notes:

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detection analytical method

TABLE 1B

SUMMARY OF NORTH TANK SOIL SAMPLE ANALYTICAL RESULTS

SECOND TREATMENT EVENT

SOIL EXCAVATED FROM AREA 3 FROM SEPTEMBER 15, 2000 TO SEPTEMBER 18, 2000

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)							
	TCE				TCA			
Date	9/15/00	9/19/00	9/21/00	9/27/00	9/15/00	9/19/00	9/21/00	9/27/00
NT-1	4.500	1.150	0.700	0.460	1.520	0.122	0.099	0.082
NT-2	24.000	0.588			0.954	0.052		
NT-3	1.820	0.276			0.014	0.014		
NT-4		0.371				0.008		
NT-5		0.308				0.0064		
NT-6	0.842				0.025			
NT-7	7.740	1.090	1.070	0.301	0.160	0.136	0.107	0.058
NT-8	0.653				0.168			

	GC/MS RESULTS (mg/kg)	
	TCE	TCA
Date	9/27/00	9/27/00
NT-1	0.509	0.066
NT-2	0.421	0.039
NT-3		
NT-4		
NT-5		
NT-6	0.492	<0.017
NT-7	0.324	0.048
NT-8		

Notes:

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detection analytical method

TABLE 1C
SUMMARY OF NORTH TANK SOIL SAMPLE ANALYTICAL RESULTS

THIRD TREATMENT EVENT

SOIL EXCAVATED FROM AREA 3 ON OCTOBER 3, 2000

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street

Grafton, Wisconsin

Date	ECD SOIL SCREENING RESULTS (mg/kg)																	
	TCE					TCA												
	10/3/00	10/13/00	10/20/00	10/27/00	11/1/00	11/14/00	11/15/00	11/27/00	6/20/01	10/3/00	10/13/00	10/20/00	10/27/00	11/1/00	11/14/00	11/15/00	11/27/00	6/20/01
NT-1	0.762	0.923	0.964	2.270	1.150			1.150		0.032	0.020	0.021	0.057	0.029			0.033	
NT-2	23.300	4.490	2.930	1.550	1.850			1.120	0.039	0.206	0.055	0.036	0.022	0.041			0.020	<0.00003
NT-3	23.700	4.120	3.480	1.450	1.180		0.847 *		0.096 *	0.183	0.021	0.024	0.0096	0.023		0.011 *		<0.00003 *
NT-4		1.840	1.230	0.622	1.470	0.765	0.475		0.049		0.013	0.0079	<0.0003	0.021	0.0094	0.010		<0.00003
NT-5		1.670	1.590	1.270	1.780	0.799	0.524		0.060		0.014	0.0096	0.008	0.022	0.0083	0.0079		<0.00003
NT-6	26.500	2.920	3.140	2.000	1.320		0.772 *		0.071	0.173	0.023	0.026	0.015	0.025		0.012 *		<0.00003
NT-7	6.790	3.360	1.880	1.460	1.310			0.968	0.236 *	0.097	0.071	0.030	0.024	0.033			0.030	<0.00003 *
NT-8	5.750	1.270	0.770	0.618	1.190			0.803		0.026	0.017	0.022	0.015	0.037			0.021	

Date	GC/MS Results (mg/kg)			
	TCE		TCA	
	11/15/00	6/20/01	11/15/01	6/20/01
NT-1				
NT-2				
NT-3	0.858	<0.019	<0.015	<0.017
NT-4				
NT-5				
NT-6	0.823		<0.017	
NT-7		0.044		<0.017
NT-8				

Notes:

* - sample submitted for GC/MS analysis

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detection analytical method

TABLE 1D

SUMMARY OF NORTH TANK SOIL SAMPLE ANALYTICAL RESULTS

FOURTH TREATMENT EVENT

SOIL EXCAVATED FROM AREA 3 ON JUNE 26, 2001 AND JUNE 27, 2001

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)											
	TCE					TCA						
Date	6/29/01	7/9/01	7/13/01	7/16/01	7/17/01	7/20/01	6/29/01	7/9/01	7/13/01	7/16/01	7/17/01	7/20/01
NT-1	7.010	1.540		0.329			<0.00003	<0.00003		<0.00003		
NT-2	12.100	4.790	0.806 *				<0.00003	<0.00003	<0.00003 *			
NT-3	16.900	2.520	1.270		0.453		<0.00003	<0.00003	<0.00003		<0.00003	
NT-4	18.400	1.540			1.120	0.617 *	<0.00003	<0.00003			<0.00003	<0.00003 *
NT-5	20.900	3.080	1.250		0.757		<0.00003	<0.00003	<0.00003		<0.00003	
NT-6	11.300	2.000			3.700	0.316 *	<0.00003	<0.00003			<0.00003	<0.00003 *
NT-7	15.900	1.740		0.764			<0.00003	<0.00003		<0.00003		
NT-8	5.430	5.350	0.580 *				<0.00003	<0.00003	<0.00003 *			

	GC/MS Results (mg/kg)			
	TCE		TCA	
Date	7/13/2001	7/20/2001	7/13/01	7/20/01
NT-1				
NT-2	0.873		<0.017	
NT-3				
NT-4		0.659		<0.017
NT-5				
NT-6		0.337		<0.017
NT-7				
NT-8	0.635		<0.017	

Notes:

* - sample submitted for GC/MS analysis

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detection analytical method

TABLE 1E

SUMMARY OF NORTH TANK SOIL SAMPLE ANALYTICAL RESULTS

FIFTH TREATMENT EVENT

SOIL EXCAVATED FROM AREA 3 FROM JULY 24, 2001 TO JULY 27, 2001

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)			
	TCE		TCA	
	7/31/01	8/3/01	7/31/01	8/3/01
Date	7/31/01	8/3/01	7/31/01	8/3/01
NT-1	0.204		<0.00003	
NT-2	0.110		<0.00003	
NT-3	0.209 *		<0.00003 *	
NT-4	1.090	0.772 *	<0.00003	<0.00003 *
NT-5	0.806 *		<0.00003 *	
NT-6	0.101		<0.00003	
NT-7	0.197		<0.00003	
NT-8	0.128 *		<0.00003 *	

	GC/MS RESULTS (mg/kg)			
	TCE		TCA	
	7/31/01	8/3/01	7/31/01	8/3/01
Date	7/31/01	8/3/01	7/31/01	8/3/01
NT-1				
NT-2				
NT-3	0.241		<0.018	
NT-4		0.905		<0.018
NT-5	0.928		<0.018	
NT-6				
NT-7				
NT-8	0.142		<0.017	

Notes:

* - sample submitted for GC/MS analysis

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method,
United States Environmental Protection Agency Method 8260

ECD - electron capture detection analytical method

TABLE 1F

SUMMARY OF NORTH TANK SOIL SAMPLE ANALYTICAL RESULTS

SIXTH TREATMENT EVENT

SOIL EXCAVATED FROM AREA 3 FROM AUGUST 7, 2001 TO AUGUST 9, 2001

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)									
	TCE					TCA				
Date	8/10/01	8/14/01	8/21/01	8/28/01	8/31/01	8/10/01	8/14/01	8/21/01	8/28/01	8/31/01
NT-1		1.390	1.510	0.654			<0.00003	<0.00003	<0.00003	
NT-2	0.043 *					<0.00003 *				
NT-3	0.158					<0.00003				
NT-4		0.057 *					<0.00003 *			
NT-5		0.086					<0.00003			
NT-6	0.100 *					<0.00003 *				
NT-7	0.036					<0.00003				
NT-8		3.280	1.590	1.410	0.638 *		<0.00003	<0.00003	<0.00003	<0.00003 *

	GC/MS RESULTS (mg/kg)					
	TCE			TCA		
Date	8/10/01	8/14/01	8/31/01	8/10/01	8/14/01	8/31/01
NT-1						
NT-2	0.049			<0.018		
NT-3						
NT-4		0.066			<0.018	
NT-5						
NT-6	0.117			<0.018		
NT-7						
NT-8			0.690			<0.017

Notes:

* - sample submitted for GC/MS analysis

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detection analytical method

TABLE 2A

SUMMARY OF SOUTH TANK SOIL SAMPLE ANALYTICAL RESULTS

FIRST TREATMENT EVENT

SOIL EXCAVATED FROM AREA 1 FROM AUGUST 23, 2000 TO AUGUST 28, 2000

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)							
	TCE				TCA			
	Date	8/25/00	8/30/00	9/1/00	9/6/00	8/25/00	8/30/00	9/1/00
ST-1	2.950	1.290	0.353	0.420	0.098	0.050	0.020	0.022
ST-2	0.596	1.140	0.701	0.472	0.038	0.046	0.041	0.030
ST-3	2.610	1.220	0.452	0.294	0.065	0.089	0.053	0.022
ST-4	0.684	0.536	0.390	0.211	0.074	0.037	0.044	0.021
ST-5	0.784	1.780	0.807	0.370	0.113	0.097	0.033	0.024
ST-6	1.160	0.641	0.231	0.271	0.131	0.056	0.017	0.020
ST-7	0.272	0.762	0.788	1.250	0.020	0.037	0.044	0.049
ST-8	1.510	1.160	1.090	0.490	0.062	0.043	0.043	0.041

	GC/MS RESULTS (mg/kg)	
	TCE	TCA
Date	9/7/00	9/7/00
ST-1	0.378	<0.017
ST-2		
ST-3	0.198	<0.017
ST-4		
ST-5	0.246	0.027
ST-6		
ST-7	0.357	<0.017
ST-8		

Notes:

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detector analytical method

TABLE 2B

SUMMARY OF SOUTH TANK SOIL SAMPLE ANALYTICAL RESULTS

SECOND TREATMENT EVENT

SOIL EXCAVATED FROM AREA 2 FROM SEPTEMBER 14, 2000 TO SEPTEMBER 15, 2000

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD RESULTS (mg/kg)		GC/MS RESULTS (mg/kg)	
	TCE	TCA	TCE	TCA
Date	9/15/00	9/15/00	9/18/00	9/18/00
ST-1	<0.00003	0.036		
ST-2	0.025	1.120	0.032	0.836
ST-3	0.019	0.937	<0.025	0.443
ST-4				
ST-5				
ST-6	0.047	0.393	<0.025	0.109
ST-7	<0.00003	0.678		
ST-8	<0.00003	0.068	<0.025	<0.025

Notes:

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method,
United States Environmental Protection Agency Method 8260

ECD - electron capture detector analytical method

Cells ST-4 and ST-5 were not filled.

TABLE 2C
SUMMARY OF SOUTH TANK SOIL SAMPLE ANALYTICAL RESULTS
THIRD TREATMENT EVENT
SOIL EXCAVATED FROM AREA 3 FROM SEPTEMBER 21, 2000 TO SEPTEMBER 22, 2000
TECUMSEH PRODUCTS - GRAFTON FACILITY
900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)																			
	TCE										TCA									
Date	9/21/00	9/22/00	9/27/00	9/29/00	10/3/00	10/4/00	10/6/00	10/11/00	10/13/00	10/17/00	9/21/00	9/22/00	9/27/00	9/29/00	10/3/00	10/4/00	10/6/00	10/11/00	10/13/00	10/17/00
ST-1	0.284		0.190								0.429		0.217							
ST-2	0.334		0.770	0.647	0.423						0.116		0.165	0.139	0.119					
ST-3		50.300	1.980	2.460	1.500	0.960	0.646					0.410	0.064	0.078	0.068	0.040	0.032			
ST-4		27.600	2.160	2.480	1.150	2.390	0.777	1.210	0.761	0.585		0.104	0.011	0.024	0.020	0.036	0.016	0.049	0.029	0.026
ST-5		74.000	1.860	4.290	1.980	1.530	0.562					0.248	0.007	0.048	0.030	0.026	0.014			
ST-6		16.900	2.430	4.750	2.360	1.170	0.571	0.824	0.698	0.638		0.217	0.080	0.079	0.144	0.062	0.031	0.022	0.049	0.069
ST-7	0.287		0.278	0.759	0.373						0.136		0.111	0.241	0.148					
ST-8	0.242		0.249								0.431		0.093							

	GC/MS RESULTS (mg/kg)							
	TCE				TCA			
Date	9/27/00	9/29/00	10/6/00	10/17/00	9/27/00	9/29/00	10/6/00	10/17/00
ST-1								
ST-2	1.030	0.723			0.167	0.090		
ST-3								
ST-4			1.950	0.672			<0.017	<0.025
ST-5								
ST-6			1.290	0.990			0.032	0.065
ST-7								
ST-8	0.288				0.078			

Notes:

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detector analytical method

TABLE 2D

SUMMARY OF SOUTH TANK SOIL SAMPLE ANALYTICAL RESULTS

FOURTH TREATMENT EVENT

SOIL EXCAVATED FROM AREA 3 FROM OCTOBER 18, 2000 TO OCTOBER 19, 2000

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)					
	TCE			TCA		
Date	10/27/00	11/1/00	6/20/01	10/27/00	11/1/00	6/20/01
ST-1	6.100		0.126	0.032		<0.00003
ST-2	7.720	5.860	0.539 *	0.019	0.037	<0.00003 *
ST-3	7.190		0.174	0.016		<0.00003
ST-4	4.340		0.089 *	0.012		<0.00003 *
ST-5	4.890		0.233	0.010		<0.00003
ST-6	6.300	6.750	0.245 *	0.017	0.034	<0.00003 *
ST-7	7.720		0.114	0.019		<0.00003
ST-8	2.900		0.103 *	0.015		<0.00003 *

	GC/MS Results (mg/kg)	
	TCE	TCA
Date	6/20/01	6/20/01
ST-1		
ST-2	0.615	<0.017
ST-3		
ST-4	0.051	<0.017
ST-5		
ST-6	0.150	<0.017
ST-7		
ST-8	0.033	<0.017

Notes:

* - sample submitted for GC/MS analysis
 mg/kg - milligrams per kilogram
 TCA - 1,1,1-trichloroethane
 TCE - trichloroethene
 GC/MS - gas chromatograph/mass spectrophotometer method,
 United States Environmental Protection Agency Method 8260
 ECD - electron capture detector analytical method

TABLE 2E

SUMMARY OF SOUTH TANK SOIL SAMPLE ANALYTICAL RESULTS

FIFTH TREATMENT EVENT

SOIL EXCAVATED FROM AREA 3 FROM JUNE 28, 2001 TO JUNE 29, 2001

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)							
	TCE				TCA			
	7/9/01	7/13/01	7/20/01	7/24/01	7/9/01	7/13/01	7/20/01	7/24/01
Date	7/9/01	7/13/01	7/20/01	7/24/01	7/9/01	7/13/01	7/20/01	7/24/01
ST-1	2.310		0.797 *		<0.00003		<0.00003 *	
ST-2		4.980	1.070	0.719 *		<0.00003	<0.00003	<0.00003 *
ST-3	2.590		1.260	0.718 *	<0.00003		<0.00003	<0.00003 *
ST-4		2.280	0.825			<0.00003	<0.00003	
ST-5	2.350		0.648 *		<0.00003		<0.00003 *	
ST-6		1.500	0.833			<0.00003	<0.00003	
ST-7	6.620		1.090	0.840	<0.00003		<0.00003	<0.00003
ST-8		1.380	0.770			<0.00003	<0.00003	

	GC/MS Results (mg/kg)			
	TCE		TCA	
	7/20/01	7/24/01	7/20/01	7/24/01
Date	7/20/01	7/24/01	7/20/01	7/24/01
ST-1	0.851		<0.017	
ST-2		0.876		<0.019
ST-3		0.909		<0.020
ST-4				
ST-5	0.693		<0.017	
ST-6				
ST-7				
ST-8				

Notes:

- * - sample submitted for GC/MS analysis
- mg/kg - milligrams per kilogram
- TCA - 1,1,1-trichloroethane
- TCE - trichloroethene
- GC/MS - gas chromatograph/mass spectrophotometer method,
United States Environmental Protection Agency Method 8260
- ECD - electron capture detector analytical method

TABLE 2F

SUMMARY OF SOUTH TANK SOIL SAMPLE ANALYTICAL RESULTS

SIXTH TREATMENT EVENT

SOIL EXCAVATED FROM AREA 3 FROM JULY 27, 2001 TO JULY 31, 2001

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)									
	TCE					TCA				
	Date	8/3/01	8/8/01	8/10/01	8/14/01	8/21/01	8/3/01	8/8/01	8/10/01	8/14/01
ST-1	2.030	1.020	0.697 *			<0.00003	<0.00003	<0.00003 *		
ST-2	2.080	0.936				<0.00003	<0.00003			
ST-3	3.230		0.946			<0.00003		<0.00003		
ST-4	2.650		1.280	1.620	0.891	<0.00003		<0.00003	<0.00003	<0.00003
ST-5	5.470		0.853 *			<0.00003		<0.00003 *		
ST-6	2.810		0.592 *			<0.00003		<0.00003 *		
ST-7	2.970	0.651				<0.00003	<0.00003			
ST-8	1.330	0.813 *				<0.00003	<0.00003 *			

	GC/MS RESULTS (mg/kg)				
	TCE		TCA		
	Date	8/8/01	8/10/01	8/8/01	8/10/01
ST-1			0.779		<0.017
ST-2					
ST-3					
ST-4					
ST-5			0.946		<0.017
ST-6			0.673		<0.018
ST-7					
ST-8		0.907		<0.017	

Notes:

* - sample submitted for GC/MS analysis

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detector analytical method

TABLE 3A

SUMMARY OF CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS

TARGET AREA #1

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

SAMPLE IDENTIFICATION	DATE	DEPTH	ECD SCREENING (mg/kg)		GC/MS RESULTS (mg/kg)	
			TCA	TCE	TCA	TCE
S-1-1	8/23/00	8	0.033	6.700		
S-1-2	8/23/00	7	0.025	2.450		
S-1-3	8/23/00	9	0.327	26.400		
S-1-4	8/23/00	5	0.076	1.970		
S-1-5	8/23/00	6	0.030	0.023		
S-1-6	8/24/00	6	0.059	0.397		
S-1-7	8/24/00	8	0.120	0.132	0.143	0.196
C-1-1	8/24/00	6			<0.025	<0.025
S-1-8	8/24/00	8	0.022	1.170		
S-1-9	8/24/00	6	0.046	4.180		
S-1-10	8/24/00	8	0.074	0.638		
S-1-11	8/24/00	9	0.029	0.857		
S-1-12	8/25/00	8	0.057	1.390		
S-1-13	8/25/00	7	0.081	0.819	0.090	1.090
S-1-14	8/25/00	5	0.138	0.813	0.146	1.050
S-1-15	8/25/00	6	0.011	1.830		
S-1-16	8/25/00	5	0.089	17.600		
S-1-17	8/28/00	4	0.018	4.270		
S-1-18	8/28/00	12	0.149	19.500		
S-1-19	8/28/00	6	0.079	9.860		
S-1-20	8/28/00	6	0.383	9.450		
S-1-21	8/28/00	6	0.158	22.500		
S-1-22	8/28/00	5	0.103	12.100		
S-1-23	8/28/00	6	0.015	0.173	<0.025	0.225
S-1-25	8/28/00	6	0.102	15.500		
S-1-26	8/28/00	6	0.067	5.650		
S-1-27	8/28/00	6	0.072	1.860	0.066	1.670
S-1-29	8/28/00	4	0.062	1.260	0.060	1.290

Notes:

ECD - electron capture detection analytical method

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

mg/kg - milligrams per kilogram

MS - mass spectrophotometry

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

TABLE 3B

SUMMARY OF CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS

TARGET AREA #2

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

SAMPLE IDENTIFICATION	DATE	DEPTH	ECD SCREENING (mg/kg)		GC/MS RESULTS (mg/kg)	
			TCA	TCE	TCA	TCE
S-2-1	9/14/00	5	0.031	<0.00003	0.051	<0.025
S-2-2	9/14/00	6	0.486	<0.00003	0.702	<0.025
S-2-3	9/15/00	6	10.700	0.056	10.500	<0.077
S-2-4	9/15/00	5.5	0.617	0.029	0.975	0.043

Notes:

ECD - electron capture detection

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

TABLE 3C

SUMMARY OF CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS

TARGET AREA #3

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

SAMPLE IDENTIFICATION	DATE	DEPTH	ECD SCREENING (mg/kg)		GC/MS RESULTS (mg/kg)	
			TCA	TCE	TCA	TCE
S-3-1	9/15/00	5	0.266	1.260	0.359	1.480
S-3-2	9/15/00	6.5	3.430	11.400		
S-3-3	9/15/00	5.5	0.765	1.280		
S-3-4	9/15/00	6	0.013	4.890		
S-3-5	9/15/00	4.5	0.230	0.290	0.148	0.240
S-3-6	9/19/00	5.5	0.0069	0.016	<0.025	0.035
S-3-7	9/21/00	7.5	1.380	0.043	1.440	0.046
S-3-8	9/21/00	5	0.235	0.142	0.170	0.132
S-3-9	9/21/00	5.5	0.047	2.270		
S-3-10	9/22/00	6	0.257	34.000		
S-3-11	9/25/00	5.5	0.028	14.400		
S-3-12	10/3/00	7	0.054	0.300		
S-3-13	10/3/00	7	0.054	23.900		
S-3-14	10/3/00	7	0.011	1.310		
S-3-15	10/18/00	4	0.034	0.389		
S-3-16	10/18/00	4	0.171	2.010		
S-3-17	10/18/00	4	0.064	25.000		
S-3-18	10/18/00	4	0.027	2.770		
S-3-19	10/19/00	4	0.010	0.467		
S-3-20	10/19/00	4	0.090	2.130		
S-3-21	6/26/01	6	<0.00003	0.990		
S-3-22	6/28/01	6	<0.00003	1.630		
S-3-23	6/29/01	6	<0.00003	0.232	<0.017	0.256
S-3-24	6/29/01	5	<0.00003	3.970		
S-3-25	7/24/01	6	0.149	1.320		
S-3-26	7/26/01	7	<0.00003	0.457	<0.017	0.502
S-3-27	7/26/01	5	<0.00003	0.927	<0.018	1.090
S-3-28	7/27/01	6	0.193	0.048	0.220	0.055
S-3-29	7/27/01	6	0.256	0.196	0.304	0.233
S-3-30	8/8/01	6	<0.00003	10.500	<0.091	12.200
S-3-31	8/8/01	6	<0.00003	12.900	<0.086	14.200
S-3-32	8/9/01	6	<0.00003	<0.00003	<0.017	<0.019
S-3-33	8/8/01	6	<0.00003	0.057	<0.017	0.063
S-3-34	8/8/01	6	<0.00003	0.055	<0.017	0.061

Notes:

ECD - electron capture detection

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

mg/kg - milligrams per kilogram

MS - mass spectrophotometry

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

TABLE 4

SUMMARY OF TREATMENT TANK SAND SAMPLE ANALYTICAL RESULTS

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)					
	SOUTH TANK		NORTH TANK			
	TCE	TCA	TCE		TCA	
Date	8/31/01	8/31/01	8/31/01	9/10/01	8/31/01	9/10/01
ST/NT-1	0.041	<0.00003		<0.00003 *		<0.00003 *
ST/NT-2	<0.00003	<0.00003		0.00020		<0.00003
ST/NT-3	0.082	<0.00003	0.125		<0.00003	
ST/NT-4	<0.00003	<0.00003	0.028		<0.00003	
ST/NT-5	<0.00003	<0.00003	<0.00003		<0.00003	
ST/NT-6	<0.00003	<0.00003	0.024		<0.00003	
ST/NT-7	0.037	<0.00003		0.00031 *		<0.00003 *
ST/NT-8	0.046	<0.00003		0.00051		<0.00003

	GC/MS RESULTS (mg/kg)	
	NORTH TANK	
	TCE	TCA
Date	9/10/01	9/10/01
NT-1	<0.018	<0.016
NT-2		
NT-3		
NT-4		
NT-5		
NT-6		
NT-7	<0.017	<0.016
NT-8		

Notes:

* - sample analyzed using GS/MS methods

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detection analytical method

TABLE 5

SUMMARY OF TREATMENT TANK PAD SOIL SAMPLE ANALYTICAL RESULTS

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS (mg/kg)							
	SOUTH TANK				NORTH TANK			
	TCE		TCA		TCE		TCA	
Date	8/31/01	9/10/01	8/31/01	9/10/01	8/31/01	9/10/01	8/31/01	9/10/01
ST/NT-9	<0.00003		<0.00003			0.013		<0.00003
ST/NT-10	<0.00003		<0.00003			<0.00003		<0.00003
ST/NT-11	0.242	0.032	<0.00003	<0.00003	<0.00003		<0.00003	

	GC/MS RESULTS (mg/kg)							
	SOUTH TANK				NORTH TANK			
	TCE		TCA		TCE		TCA	
Date	8/31/01	9/10/01	8/31/01	9/10/01	8/31/01	9/10/01	8/31/01	9/10/01
ST/NT-9	<0.019		<0.017			<0.020		<0.018
ST/NT-10	<0.019		<0.017			<0.019		<0.018
ST/NT-11	0.276	0.037	<0.018	<0.018	<0.021		<0.019	

Notes:

ECD - electron capture detection analytical method

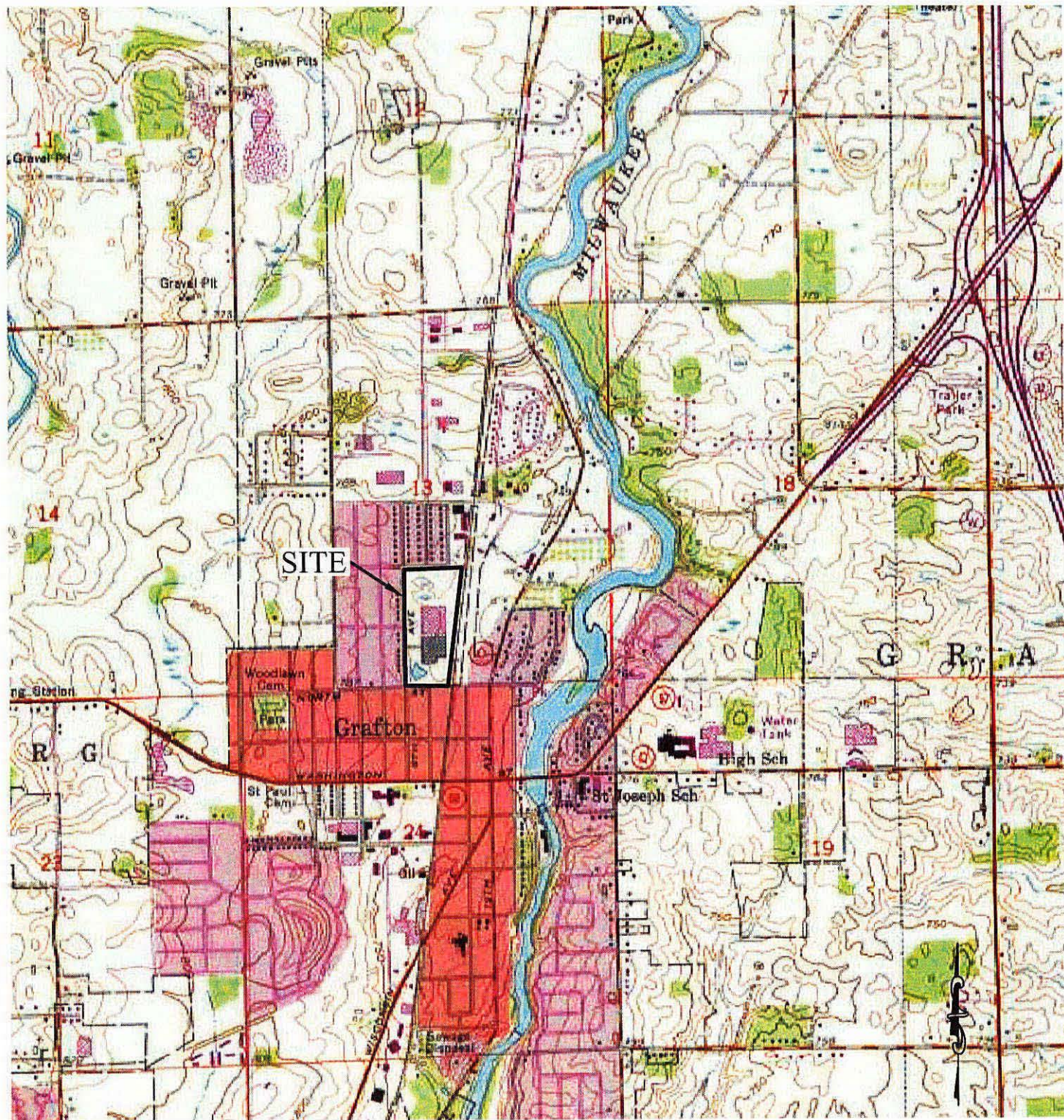
mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

FIGURES



SCALE IN FEET



0 2000'

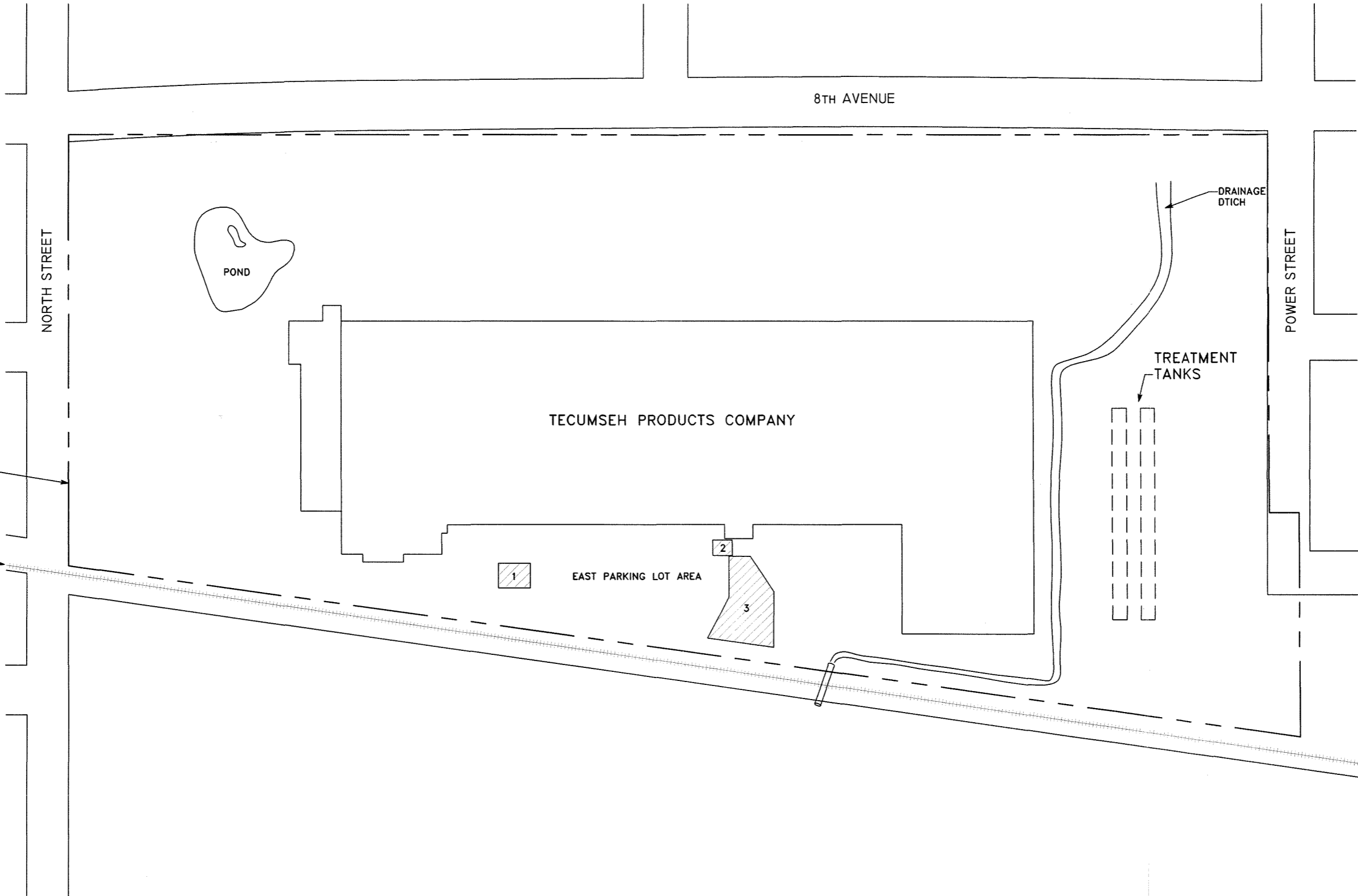
© 2002 Key Engineering Group Ltd.

SOURCE: USGS Cedarburg, Wisconsin Quadrangle Map
 Topographic Map 1959
 Photorevised 1971 and 1978


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APPROVED BY GLJ	SHEET NO. 1
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XREF LMAN Jay	

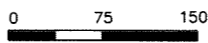
FIGURE 1
 SITE LOCATION MAP
 EAST PARKING LOT AREA
 TECUMSEH PRODUCTS COMPANY
 900 NORTH STREET
 GRAFTON, WISCONSIN

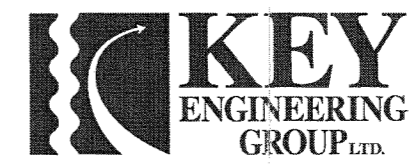




LEGEND

 REMEDIAL ACTION TARGET AREAS

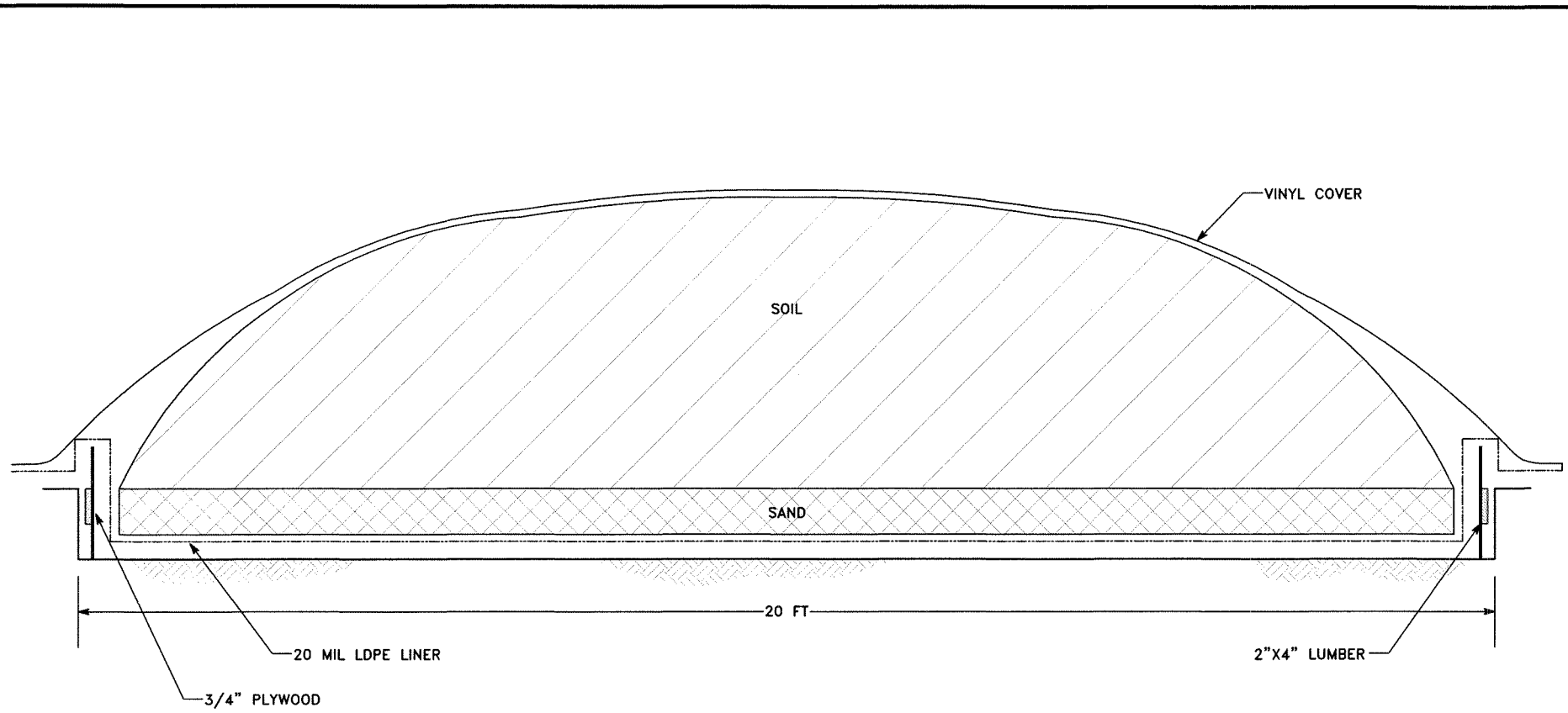
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DSN. BY:	C.M.H.	FILE NO.:	1007010
CHK. BY:	C.M.H.	DWG. NO.:	10070100
REV. BY:	G.L.J.	SHEET NO.:	1




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**FIGURE 2
SITE LAYOUT**

EAST PARKING LOT AREA
 TECUMSEH PRODUCTS COMPANY
 900 NORTH STREET
 GRAFTON, WISCONSIN



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 NOT TO SCALE		
DRN. BY:	J.J.J.	DATE: 01/29/01
DSN. BY:	C.M.H.	FILE NO.: 1007010
CHK. BY:	C.M.H.	DWG. NO.: 10070101
REV. BY:	G.L.J.	SHEET NO.: 1

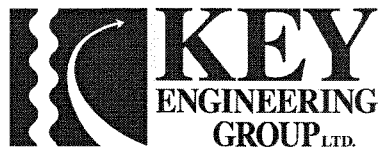
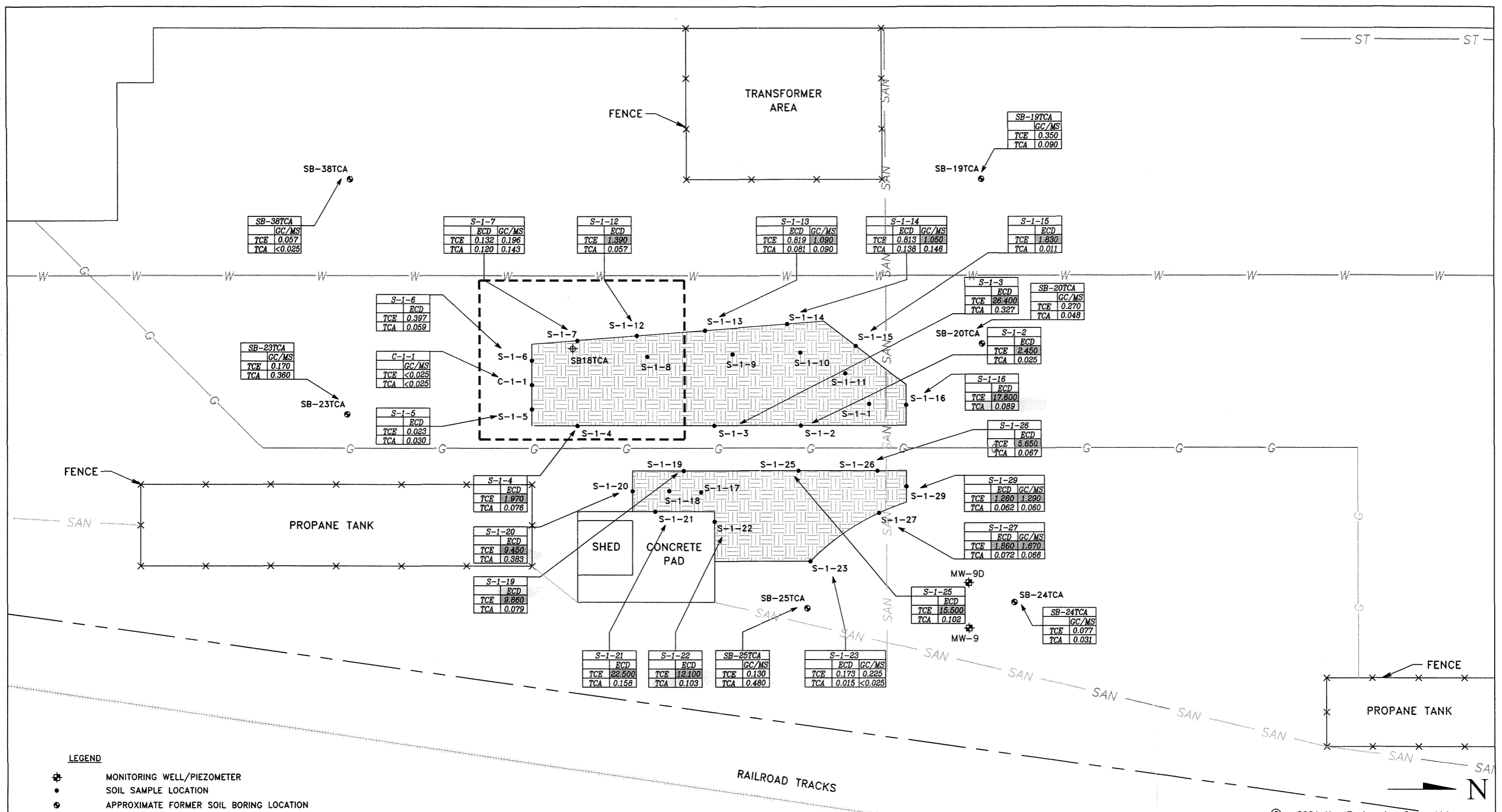


FIGURE 3
TREATMENT TANK
DETAILS (TYPICAL)

EAST PARKING LOT AREA
TECUMSEH PRODUCTS COMPANY
900 NORTH STREET
GRAFTON, WISCONSIN



SB-38TCA		
GC/MS		
TCE	0.057	
TCA	<0.025	

S-1-7		
ECD	GC/MS	
TCE	0.132	0.196
TCA	0.120	0.143

S-1-12	
ECD	
TCE	1.390
TCA	0.057

S-1-13		
ECD	GC/MS	
TCE	0.819	1.090
TCA	0.081	0.090

S-1-14		
ECD	GC/MS	
TCE	0.813	1.050
TCA	0.138	0.146

SB-19TCA	
GC/MS	
TCE	0.350
TCA	0.090

S-1-3	
ECD	
TCE	26.400
TCA	0.327

SB-20TCA	
GC/MS	
TCE	0.270
TCA	0.048

S-1-6	
ECD	
TCE	0.397
TCA	0.059

SB-23TCA	
GC/MS	
TCE	0.170
TCA	0.360

C-1-1	
GC/MS	
TCE	<0.025
TCA	<0.025

S-1-5	
ECD	
TCE	0.023
TCA	0.030

S-1-2	
ECD	
TCE	2.450
TCA	0.025

S-1-16	
ECD	
TCE	17.800
TCA	0.089

S-1-26	
ECD	
TCE	5.650
TCA	0.087

S-1-4	
ECD	
TCE	1.970
TCA	0.076

S-1-20	
ECD	
TCE	9.450
TCA	0.383

S-1-19	
ECD	
TCE	9.860
TCA	0.079

S-1-29		
ECD	GC/MS	
TCE	1.280	1.290
TCA	0.082	0.080

S-1-27		
ECD	GC/MS	
TCE	1.860	1.870
TCA	0.072	0.068

S-1-25	
ECD	
TCE	15.500
TCA	0.102

SB-24TCA	
GC/MS	
TCE	0.077
TCA	0.031

S-1-21	
ECD	
TCE	22.500
TCA	0.158

S-1-22	
ECD	
TCE	12.100
TCA	0.103

SB-25TCA	
GC/MS	
TCE	0.130
TCA	0.480

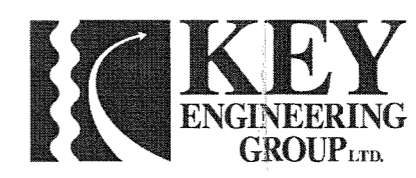
S-1-23		
ECD	GC/MS	
TCE	0.173	0.225
TCA	0.015	<0.025

- LEGEND**
- ⊕ MONITORING WELL/PIEZOMETER
 - SOIL SAMPLE LOCATION
 - APPROXIMATE FORMER SOIL BORING LOCATION
 - 1.480 CONCENTRATION EXCEEDS TARGET CLEAN UP LEVEL
 - PROPOSED EXTENT OF EXCAVATION
 - ▨ ACTUAL EXTENT OF EXCAVATION
 - G PROPANE GAS LINE
 - SAN SANITARY SEWER LINE
 - ST STORM SEWER LINE
 - W WATER LINE

NOTES

TCE: TRICHLOROETHENE, mg/kg
TCA: 1,1,1-TRICHLOROETHANE, mg/kg
ECD: ELECTRON CAPTURE DETECTION
GC: GAS CHROMATOGRAPHY
MS: MASS SPECTROPHOTOMETRY
mg/kg: MILLIGRAMS PER KILOGRAM
< : LESS THAN

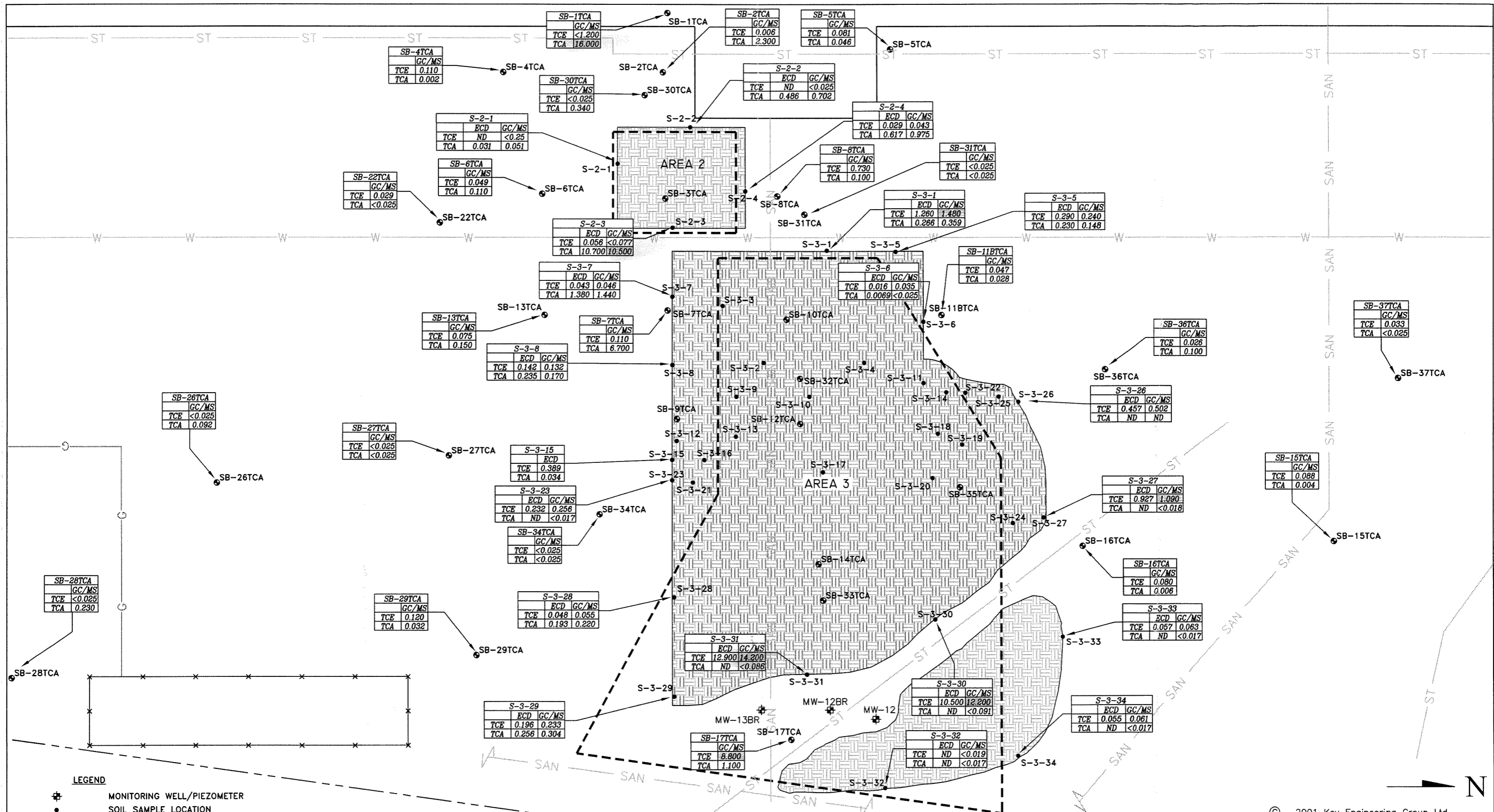
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DRN. BY: C.S.	DATE: 01/17/02
DSN. BY: C.M.H.	FILE NO.: 1007010
CHK. BY: C.M.H.	DWG. NO.: 10070102
REV. BY: G.L.J.	SHEET NO.: 1



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FIGURE 4
SUMMARY OF SOIL
SAMPLE ANALYTICAL RESULTS
(AREA #1)

EAST PARKING LOT AREA
TECUMSEH PRODUCTS COMPANY
900 NORTH STREET
GRAFTON, WISCONSIN



LEGEND

- ⊕ MONITORING WELL/PIEZOMETER
- SOIL SAMPLE LOCATION
- APPROXIMATE FORMER SOIL BORING LOCATION
- 1.480 CONCENTRATION EXCEEDS TARGET CLEAN UP LEVEL (GC/MS)
- PROPOSED EXTENT OF EXCAVATION
- ACTUAL EXTENT OF EXCAVATION
- GAS LINE
- SAN SANITARY SEWER LINE
- ST STORM WATER SEWER LINE
- W WATER LINE

NOTES

TCE: TRICHLOROETHENE, mg/kg
TCA: 1,1,1-TRICHLOROETHANE, mg/kg
ECD: ELECTRON CAPTURE DETECTION
GC: GAS CHROMATOGRAPHY
MS: MASS SPECTROPHOTOMETRY
<: LESS THAN
mg/kg: MILLIGRAMS PER KILOGRAM
ND: NOT DETECTED

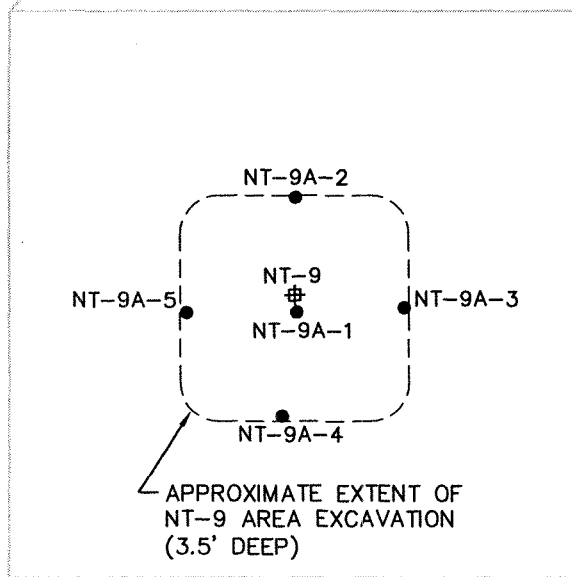
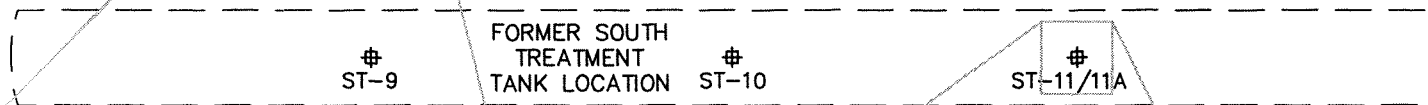
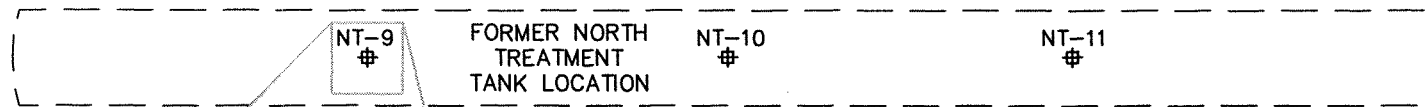
0 10 20
SCALE: 1"=20'

DRN. BY:	C.S.	DATE:	01/17/02
DSN. BY:	C.M.H.	FILE NO.:	1007010
CHK. BY:	C.M.H.	DWG. NO.:	10070106
REV. BY:	G.L.J.	SHEET NO.:	2

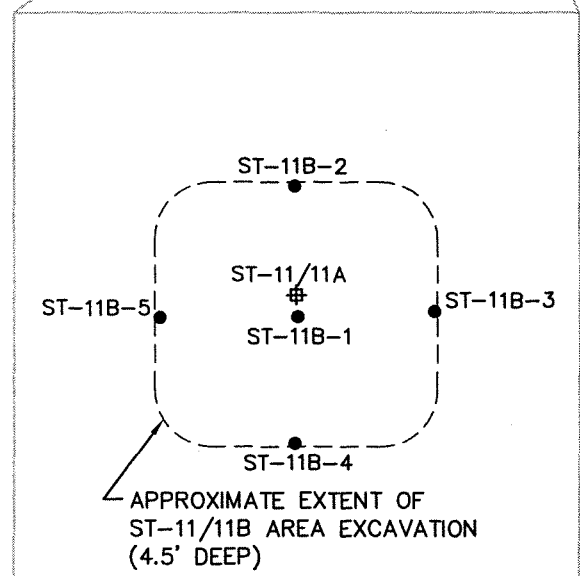
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FIGURE 5
SUMMARY OF SOIL
SAMPLE ANALYTICAL RESULTS
(AREA #2 AND AREA #3)

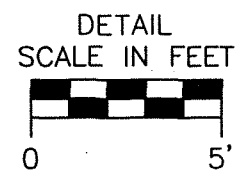
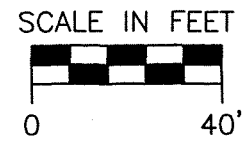
EAST PARKING LOT AREA
TECUMSEH PRODUCTS COMPANY
900 NORTH STREET
GRAFTON, WISCONSIN



NORTH TREATMENT TANK EXCAVATION DETAIL



SOUTH TREATMENT TANK EXCAVATION DETAIL



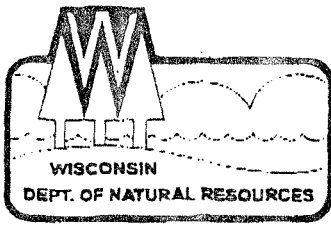
- LEGEND**
- # SOIL SAMPLE COLLECTED DURING TREATMENT TANK CLOSURE SAMPLING
 - EXCAVATION CONFIRMATION SOIL SAMPLE LOCATION

© 2002 Key Engineering Group Ltd.

DESIGNED BY CMH	DATE 01/28/02
DRAWN BY CS	PROJECT 1007010
APPROVED BY GLJ	SHEET NO. 6
CADFILE & \ACAD\1007010\1007010b	
XREF LMAN	

FIGURE 6
EXTENT OF TREATMENT TANK PAD EXCAVATIONS
EAST PARKING LOT AREA
TECUMSEH PRODUCTS COMPANY
900 NORTH STREET
GRAFTON, WISCONSIN





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Annex
4041 North Richards Street
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-229-0800
FAX 414-229-0810

December 22, 1999

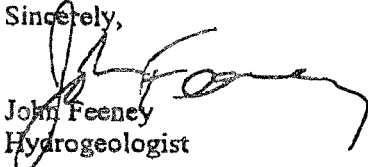
Kerry Dekeyser
Tecumseh Products Company
1604 Michigan Avenue
New Holstien, WI 53061-1175

Subject: Approval for target cleanup levels in the east parking lot area, Tecumseh, 900 North Street, Grafton, file reference FID #246009170 ERR-ERP

Dear Mr. Dekeyser:

I approve your proposed target cleanup levels as residual contaminant levels (RCLs) at the east parking lot area. The levels are 1 ppm TCE and 10 ppm TCA, resulting in an 86% contaminant mass reduction in this area according to your consultant's calculations. If you have any questions about this letter, please call me at 414-229-0850.

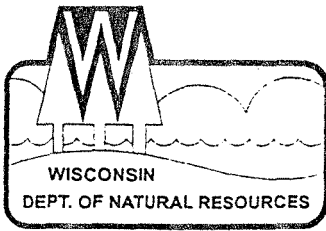
Sincerely,



John Feeney
Hydrogeologist

Cc: SER File





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Annex
4041 North Richards Street
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-229-0800
FAX 414-229-0810

July 31, 2000

Kerry Dekeyser
Tecumseh Products Company
1604 Michigan Avenue
New Holstien, WI 53061-1175

Subject: Remedial action plan approval, east parking lot area, Tecumseh, 900 North Street,
Grafton, file reference FID #246009170 ERR-ERP

Dear Mr. Dekeyser:


I approve your proposed remedial action for contaminated soils in the east parking lot area based on the report submitted to me from Key Engineering Group Ltd., dated July 26, 2000.

Regarding other areas, I consider that active soil remediation in the west dock and recycling dock areas to be necessary:

- It may be unlikely that groundwater standards will be met in a reasonable length of time with natural attenuation alone. For example, contaminant concentrations in well MW9 have not significantly decreased in several years of monitoring. One criteria for case closure under NR 726.05(f) is that, "The concentration or mass, or both of a substance and its breakdown products have been reduced if the actions are deemed necessary to restore groundwater within a reasonable period of time..."
- Additional source remediation will likely decrease overall monitoring costs, and lead to a quicker closure of this case.

If you have any questions about this letter, please call me at 414-229-0850.

Sincerely,


John Feeney
Hydrogeologist

Cc: SER File
Key Engineering Group, Ltd.



PHOTOGRAPH 1:

North treatment tank following construction, viewing west.



PHOTOGRAPH 2:

Treatment of soils in the south treatment tank, viewing northwest.



PHOTOGRAPH 3:

Treatment of soils in the south treatment tank, viewing southwest.



PHOTOGRAPH 4:

Target Area #1 excavation adjacent to propane filling shed and associated concrete slab, viewing south.



PHOTOGRAPH 5:

Target Area #2 excavation, viewing northwest.



PHOTOGRAPH 6:

Completed Target Area #2 excavation and start of Target Area #3 excavation, viewing northeast.



PHOTOGRAPH 7:

Excavation in Target Area #3, viewing northwest.



PHOTOGRAPH 8:

Sanitary sewer in Target Area #3 following repair (during backfilling), viewing south.



PHOTOGRAPH 9:

Excavation on the east side of Target Area #3, viewing southeast.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223

Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Tecumseh Products

Project ID: 1007010

100710

Project Manager: Dorry Wehrhain

Company: MEY Eng

Address: Cedarburg WI W661015

City/State/Zip: Cedarburg WI

Phone: (602) 975-4750 Fax: (262) 975-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- Preservation / Filtration Code

Test Required	Matrix	Collection Time	Collection Date	Sample ID	Lab ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
VOC	Soil		8/4/00	North #1	20737	X	X	X	X	X	X	X											E
				North #2	20738																		6250009
				North #3	20739																		
				South #1	20740																		
				South #2	20741																		
				South #3	20742																		
				PAD #1	20743																		
				PAD #2	20744																		

Relinquished By: <u>W. John Parks</u>	Date/Time: <u>8/4/00 4:13pm</u>	Received By: <u>[Signature]</u>	Special Instructions:
---------------------------------------	---------------------------------	---------------------------------	-----------------------



8222 W. Calumet Rd., Milwaukee, WI 53223
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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 20737 Percent Solid: 90.6% QC Batch Number: 991903 Sample analyzed within 6 Day(s) from collection										
Chem ID: No. 141 Sample Description: Collection: 8/4/2000 Time:										
1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1,1,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/10/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/10/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/10/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/10/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/10/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/10/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

Sample Number: 20738	Percent Solid: 85.4%	QC Batch Number: 994905	Sample analyzed within 6 Day(s) from collection.							
Client ID: North#2	Sample Description:		Collection: 8/1/2000		Time					
1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/10/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/10/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by these terms and conditions set forth herein.



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5888 Fax: (414) 355-3888

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/10/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/10/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/10/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/10/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

Sample Number: 20739	Percent Solids: 85.9%	QC Batch Number: 994905	Sample analyzed within 6 Day(s) from collection.							
Client ID: North#3	Sample Description:	Collection: 8/4/2000	Time:							
1,1,1-Trichloroethane	<25* ug/kg	25	60	16	1.0	8260	cps	8/10/2000		
1,1,2,2-Tetrachloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/10/2000		
1,1,2-Trichloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/10/2000		
1,1-Dichloroethane	<25* ug/kg	25	60	16	1.0	8260	cps	8/10/2000		
1,1-Dichloroethene	<25* ug/kg	25	60	17	1.0	8260	cps	8/10/2000		
1,2,3-Trichlorobenzene	<25* ug/kg	25	60	25	1.0	8260	cps	8/10/2000		
1,2,4-Trichlorobenzene	<25* ug/kg	25	60	23	1.0	8260	cps	8/10/2000		
1,2,4-Trimethylbenzene	<25* ug/kg	25	60	15	1.0	8260	cps	8/10/2000		
1,2-Dibromo-3-chloropropan	<25* ug/kg	25	60	17	1.0	8260	cps	8/10/2000		
1,2-Dichlorobenzene	<25* ug/kg	25	60	17	1.0	8260	cps	8/10/2000		

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/10/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/10/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/10/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/10/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/10/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 20740										
Client ID: South#1										
Percent Solid: 89.8%										
QC Batch Number: 994905										
Sample analyzed within 6 Day(s) from collection										
Collection: 8/4/2000										
Time:										
1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/10/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/10/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/10/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/10/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
m&p-ylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/10/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/10/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Compound	Dry Weight and Dilution Factor Corrected		LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
	LUST Result	Units								
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

Sample Number: 20741 Percent Solid: 84.2% QC Batch Number: 994903 Sample analyzed within 6 Day(s) from collection.
 Client ID: South#2 Sample Description: Collection: 8/4/2000 Time:

1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/10/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/10/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Dry Weight and Dilution Factor Corrected										
Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/10/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/10/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/10/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/10/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

Sample Number: 20742	Percent Solid: 91.1 %	QC Batch Number: 994905	Sample analyzed within 6 Days(s) from collection.							
Client ID: South#3	Sample Description:	Collection: 8/4/2000	Time:							
1,1,1-Trichloroethane	<25* ug/kg	25	60	16	1.0	8260	cps	8/10/2000		
1,1,2,2-Tetrachloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/10/2000		
1,1,2-Trichloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/10/2000		
1,1-Dichloroethane	<25* ug/kg	25	60	16	1.0	8260	cps	8/10/2000		
1,1-Dichloroethene	<25* ug/kg	25	60	17	1.0	8260	cps	8/10/2000		
1,2,3-Trichlorobenzene	<25* ug/kg	25	60	25	1.0	8260	cps	8/10/2000		
1,2,4-Trichlorobenzene	<25* ug/kg	25	60	23	1.0	8260	cps	8/10/2000		
1,2,4-Trimethylbenzene	<25* ug/kg	25	60	15	1.0	8260	cps	8/10/2000		

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/10/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/10/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/10/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/10/2000
Methylene chloride	29	ug/kg	25	60	15	1.0	B J	8260	cps	8/10/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

Sample Number: 20743	Percent Solid: 81.7 %	QC Batch Number: 994905	Sample analyzed within 6 Day(s) from collection.							
Client ID: PA001	Sample Description:	Collection: 8/4/2000	Time:							
1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0	8260	cps	8/10/2000	
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0	8260	cps	8/10/2000	
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0	8260	cps	8/10/2000	
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0	8260	cps	8/10/2000	
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0	8260	cps	8/10/2000	
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0	8260	cps	8/10/2000	
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0	8260	cps	8/10/2000	
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0	8260	cps	8/10/2000	
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0	8260	cps	8/10/2000	
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0	8260	cps	8/10/2000	
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0	8260	cps	8/10/2000	
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0	8260	cps	8/10/2000	
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0	8260	cps	8/10/2000	
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0	8260	cps	8/10/2000	
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0	8260	cps	8/10/2000	
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0	8260	cps	8/10/2000	
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0	8260	cps	8/10/2000	
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0	8260	cps	8/10/2000	
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0	8260	cps	8/10/2000	
Benzene	<25*	ug/kg	25	60	13	1.0	8260	cps	8/10/2000	
Bromobenzene	<25*	ug/kg	25	60	16	1.0	8260	cps	8/10/2000	
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0	8260	cps	8/10/2000	
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0	8260	cps	8/10/2000	
Chlorobenzene	<25*	ug/kg	25	60	13	1.0	8260	cps	8/10/2000	
Chloroethane	<32	ug/kg	25	60	32	1.0	8260	cps	8/10/2000	
Chloroform	<25*	ug/kg	25	60	12	1.0	8260	cps	8/10/2000	
Chloromethane	<25*	ug/kg	25	60	25	1.0	8260	cps	8/10/2000	
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0	8260	cps	8/10/2000	
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0	8260	cps	8/10/2000	
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0	8260	cps	8/10/2000	
Ethylbenzene	<25*	ug/kg	25	60	13	1.0	8260	cps	8/10/2000	
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0	8260	cps	8/10/2000	
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0	8260	cps	8/10/2000	
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0	8260	cps	8/10/2000	

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/10/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/10/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

Sample Number: 20744	Percent Solid: 89.2 %	QC Batch Number: 994905	Sample analyzed within 6 Days from collection.							
Client ID: Pad#2	Sample Description:	Collection: 8/4/2000	Time:							
1,1,1-Trichloroethane	<25* ug/kg	25	60	16	1.0	8260	cps	8/10/2000		
1,1,2,2-Tetrachloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/10/2000		
1,1,2-Trichloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/10/2000		
1,1-Dichloroethane	<25* ug/kg	25	60	16	1.0	8260	cps	8/10/2000		
1,1-Dichloroethene	<25* ug/kg	25	60	17	1.0	8260	cps	8/10/2000		
1,2,3-Trichlorobenzene	<25* ug/kg	25	60	25	1.0	8260	cps	8/10/2000		
1,2,4-Trichlorobenzene	<25* ug/kg	25	60	23	1.0	8260	cps	8/10/2000		
1,2,4-Trimethylbenzene	<25* ug/kg	25	60	15	1.0	8260	cps	8/10/2000		
1,2-Dibromo-3-chloropropan	<25* ug/kg	25	60	17	1.0	8260	cps	8/10/2000		
1,2-Dichlorobenzene	<25* ug/kg	25	60	17	1.0	8260	cps	8/10/2000		
1,2-Dichloroethane	<25* ug/kg	25	60	17	1.0	8260	cps	8/10/2000		
1,2-Dichloropropane	<25* ug/kg	25	60	16	1.0	8260	cps	8/10/2000		
1,3,5-Trimethylbenzene	<25* ug/kg	25	60	17	1.0	8260	cps	8/10/2000		
1,3-Dichlorobenzene	<25* ug/kg	25	60	13	1.0	8260	cps	8/10/2000		
1,3-Dichloropropane	<25* ug/kg	25	60	20	1.0	8260	cps	8/10/2000		
1,4-Dichlorobenzene	<25* ug/kg	25	60	18	1.0	8260	cps	8/10/2000		
2,2-Dichloropropane	<25* ug/kg	25	60	14	1.0	8260	cps	8/10/2000		
2-Chlorotoluene	<25* ug/kg	25	60	15	1.0	8260	cps	8/10/2000		
4-Chlorotoluene	<25* ug/kg	25	60	13	1.0	8260	cps	8/10/2000		
Benzene	<25* ug/kg	25	60	13	1.0	8260	cps	8/10/2000		

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh Products

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/10/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/10/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/10/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/10/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/10/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

Sample Number: 20748	Percent Solid: 100%	QC Batch Number: 994905	Sample analyzed within 6 Day(s) from collection.							
Client ID: Trip Blk	Sample Description:	Collection: 8/4/2000	Time:							
1,1,1-Trichloroethane	<25* ug/kg	25	60	16	1.0	8260	cps	8/10/2000		
1,1,1,2-Tetrachloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/10/2000		
1,1,2-Trichloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/10/2000		
1,1-Dichloroethane	<25* ug/kg	25	60	16	1.0	8260	cps	8/10/2000		
1,1-Dichloroethene	<25* ug/kg	25	60	17	1.0	8260	cps	8/10/2000		
1,2,3-Trichlorobenzene	<25* ug/kg	25	60	25	1.0	8260	cps	8/10/2000		

* According to LUST Release News, October 1994 Volume 4, Number 5; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warranties, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/10/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/10/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/10/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/10/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/10/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/10/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000

* According to LUST Release News, October 1994 Volume 4, Number 5; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000579
 DATE REPORTED: 14-Aug-00
 DATE RECEIVED: 04-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 8/14/00

* Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ: Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

* According to LUST Release News, October 1994 Volume 4, Number 5; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

20000622



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Tecumseh - Grattan
 Project ID:

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required

Matrix

	Soil																		
	Soil																		
	Soil																		
	Soil																		
	Soil																		
Solid %	Soil																		
TCA, TCE Analysis <i>by ECD</i>	Soil	X	X	X	X	X	X												

Additional Information:

Collection Time

Collection Date

Sample ID

Lab ID

COC#

3:05	3:08	3:10	3:15	3:20																
8/23/00																				
PID=38	PID=48	PID=118.4	PID=16.6	PID=21																
S-1-1	S-1-2	S-1-3	S-1-4	S-1-5	BLANK															
20916	20917	20918	20919	20920	20921															

Relinquished By: <u>Kris D.</u>	Date/Time: <u>8/23/00 4:41</u>	Received By: <u>[Signature]</u>
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Special Instructions:



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 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000622
 DATE REPORTED: 31-Aug-00
 DATE RECEIVED: 23-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 20916									
Client ID: S-1-1									
		QC Prep Batch Number:					Collection: 8/23/2000		Time: 15:05
Sample Description:									
1,1,1-Trichloroethane	33	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Trichloroethene	6700	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Sample Number: 20917									
Client ID: S-1-2									
		QC Prep Batch Number:					Collection: 8/23/2000		Time: 15:08
Sample Description:									
1,1,1-Trichloroethane	25	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Trichloroethene	2450	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Sample Number: 20918									
Client ID: S-1-3									
		QC Prep Batch Number:					Collection: 8/23/2000		Time: 15:10
Sample Description:									
1,1,1-Trichloroethane	327	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Trichloroethene	26400	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Sample Number: 20919									
Client ID: S-1-4									
		QC Prep Batch Number:					Collection: 8/23/2000		Time: 15:15
Sample Description:									
1,1,1-Trichloroethane	76	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Trichloroethene	1970	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Sample Number: 20920									
Client ID: S-1-5									
		QC Prep Batch Number:					Collection: 8/23/2000		Time: 15:20
Sample Description:									
1,1,1-Trichloroethane	30	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Trichloroethene	23	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Sample Number: 20921									
Client ID: Blank									
		QC Prep Batch Number:					Collection: 8/23/2000		Time:
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		8/23/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		8/23/2000



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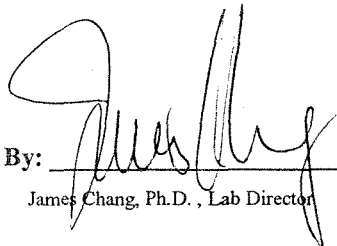
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000622
 DATE REPORTED: 31-Aug-00
 DATE RECEIVED: 23-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date	Ext/Anal
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Approved By:  Date: 8/31/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit. NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

20000 623

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name:
 Tecumseh-Groton

Project ID:
 1007010

Project Manager: Larry Wehrheim
Company: Key Engineering Group, LTD.
Address: W66 N215 Commerce Court
City/State/Zip: Cedarburg, WI 53012
Phone: (262)-375-4750
Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil																		
	Soil																		
	Soil																		
	Soil																		
	Soil																		
Solid %	Soil																		
TCA, TCE Analysis <i>by ECD</i>	Soil	X	X	X															E
Additional Information:	Collection Time	10:10	10:12	10:15															COC#
	Collection Date	8/24/00	8/24/00	8/24/00															
	Sample ID	S-1-6 P10=4.1	S-1-7 P10=4.1	Blank															
	Lab ID	20922	20923	20924															

Relinquished By: <i>[Signature]</i>	Date/Time 8/24/00	Received By: <i>[Signature]</i>	Special Instructions:
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 Phone: (414) 355-5800 Fax: (414) 355-3099

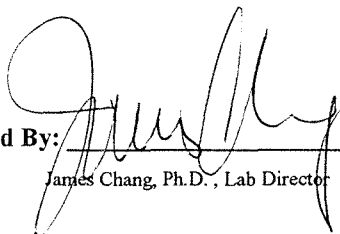
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000623
 DATE REPORTED: 31-Aug-00
 DATE RECEIVED: 24-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 20922		QC Prep Batch Number:		Collection: 8/24/2000		Time: 10:10			
Client ID: S-1-6		Sample Description:							
1,1,1-Trichloroethane	59	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Trichloroethene	397	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Sample Number: 20923		QC Prep Batch Number:		Collection: 8/24/2000		Time: 10:12			
Client ID: S-1-7		Sample Description:							
1,1,1-Trichloroethane	120	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Trichloroethene	132	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Sample Number: 20924		QC Prep Batch Number:		Collection: 8/24/2000		Time:			
Client ID: Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000

Approved By:  Date: 8/31/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit. NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance. April 1995.



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000623
 DATE REPORTED: 30-Aug-00
 DATE RECEIVED: 24-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 20923	Percent Solid: 87.2%		QC Batch Number: 995075		Sample analyzed within 5 Day(s) from collection.					
Client ID: S-1-7	Sample Description:				Collection: 8/24/2000 Time: 10:12					
1,1,1-Trichloroethane	143	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/29/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/29/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/29/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/29/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/29/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/29/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/29/2000
Methylene chloride	111	ug/kg	25	60	15	1.0	B	8260	cps	8/29/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Larry Wehrheim
Key Engineering Group, LTD.
W66 N215 Commerce Court
Cedarburg, WI 53012

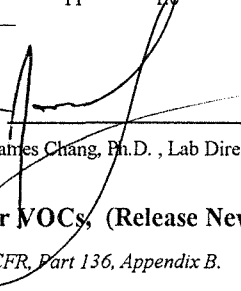
ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000623
DATE REPORTED: 30-Aug-00
DATE RECEIVED: 24-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: Tecumsch

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/29/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Trichloroethene	196	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/29/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 9/5/00

* Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

* According to LUST Release News, October 1994 Volume 4, Number 5; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
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20000624

Project Name: Tecumseh - Griffin
 Project ID: 1607010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required

Matrix

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil																		
	Soil																		
	Soil																		
	Soil																		
	Soil																		
Solid %	Soil																		
TCA, TCE Analysis <i>by ECD</i>	Soil	X	X	X	X	X													<u>EC</u>
Additional Information:	Collection Time	2:55	2:54	2:52	2:50	2:50													
	Collection Date	8/24/00	8/24/00	8/24/00	8/24/00	8/24/00													
	Sample ID	S-1-8 P10=26.3	S-1-9 P10=43.6	S-1-10 P10=19.6	S-1-11 P10=10.0	B2 tank													
	Lab ID	20925	20926	20927	20928	20929													

Relinquished By:	Date/Time	Received By:	Special Instructions:
<i>[Signature]</i>	<u>08/24</u> <u>1500</u>	<i>[Signature]</i>	
Larry J. Wehrheim			



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000624
 DATE REPORTED: 31-Aug-00
 DATE RECEIVED: 24-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 20925		QC Prep Batch Number:			Collection: 8/24/2000		Time: 14:55		
Client ID: S-1-8		Sample Description:							
1,1,1-Trichloroethane	22	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Trichloroethene	1170	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Sample Number: 20926		QC Prep Batch Number:			Collection: 8/24/2000		Time: 14:54		
Client ID: S-1-9		Sample Description:							
1,1,1-Trichloroethane	46	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Trichloroethene	4180	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Sample Number: 20927		QC Prep Batch Number:			Collection: 8/24/2000		Time: 14:52		
Client ID: S-1-10		Sample Description:							
1,1,1-Trichloroethane	74	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Trichloroethene	638	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Sample Number: 20928		QC Prep Batch Number:			Collection: 8/24/2000		Time: 14:50		
Client ID: S-1-11		Sample Description:							
1,1,1-Trichloroethane	29	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Trichloroethene	857	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Sample Number: 20929		QC Prep Batch Number:			Collection: 8/24/2000		Time: 14:50		
Client ID: Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 8/24/2000



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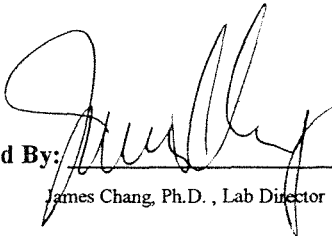
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000624
 DATE REPORTED: 31-Aug-00
 DATE RECEIVED: 24-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:  Date: 8/31/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

20000621

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name:
Tecumseh - Grout

Project ID:
1007010

Project Manager: *Larry Wehrheim*

Company: *Key Engineering Group, LTD*

Address: *W66 N215 Commerce Court*

City/State/Zip: *Cedarburg, WI 53012*

Phone: *(262)-375-4750* Fax: *(262)-375-9680*

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Soil																	
	Soil																	
	Soil																	
	Soil																	
	Soil																	
Solid %	Soil	X	X															
TCA, TCE Analysis	Soil	X	X															
Additional Information: <div style="border: 1px solid black; padding: 5px; width: fit-content;">GCMS 24 hr Rush</div>	Collection Time	2:48	2:45															
	Collection Date	8/24/00	8/24/00															
	Sample ID	C-1-1 P10=4	Blank															
	Lab ID	20914	20915															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

NOCS

Relinquished By: <i>Larry Wehrheim</i>	Date/Time: <i>8/24/00 15:30</i>	Received By: <i>[Signature]</i>
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Special Instructions:



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000621
 DATE REPORTED: 25-Aug-00
 DATE RECEIVED: 24-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 20914	Percent Solid: 86.3%		QC Batch Number: 995035	Sample analyzed within 0 Day(s) from collection.						
Client ID: C-1-1	Sample Description:			Collection: 8/24/2000	Time: 14:48					
1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/24/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/24/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/24/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/24/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/24/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/24/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/24/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/24/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/24/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/24/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/24/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/24/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/24/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/24/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/24/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/24/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/24/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/24/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/24/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/24/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/24/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/24/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/24/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/24/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/24/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/24/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/24/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

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W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000621
DATE REPORTED: 25-Aug-00
DATE RECEIVED: 24-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: Tecumsch

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/24/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/24/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/24/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/24/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/24/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/24/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/24/2000

Sample Number: 20915	Percent Solid: 100%	QC Batch Number: 995035	Sample analyzed within: 0 Days(s) from collection.					
Client ID: Blank	Sample Description:	Collection: 8/24/2000	Time					
1,1,1-Trichloroethane	<25* ug/kg	25	60	16	1.0	8260	cps	8/24/2000
1,1,1,2-Tetrachloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/24/2000
1,1,2-Trichloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/24/2000
1,1-Dichloroethane	<25* ug/kg	25	60	16	1.0	8260	cps	8/24/2000
1,1-Dichloroethene	<25* ug/kg	25	60	17	1.0	8260	cps	8/24/2000
1,2,3-Trichlorobenzene	<25* ug/kg	25	60	25	1.0	8260	cps	8/24/2000
1,2,4-Trichlorobenzene	<25* ug/kg	25	60	23	1.0	8260	cps	8/24/2000
1,2,4-Trimethylbenzene	<25* ug/kg	25	60	15	1.0	8260	cps	8/24/2000
1,2-Dibromo-3-chloropropan	<25* ug/kg	25	60	17	1.0	8260	cps	8/24/2000
1,2-Dichlorobenzene	<25* ug/kg	25	60	17	1.0	8260	cps	8/24/2000
1,2-Dichloroethane	<25* ug/kg	25	60	17	1.0	8260	cps	8/24/2000
1,2-Dichloropropane	<25* ug/kg	25	60	16	1.0	8260	cps	8/24/2000
1,3,5-Trimethylbenzene	<25* ug/kg	25	60	17	1.0	8260	cps	8/24/2000
1,3-Dichlorobenzene	<25* ug/kg	25	60	13	1.0	8260	cps	8/24/2000
1,3-Dichloropropane	<25* ug/kg	25	60	20	1.0	8260	cps	8/24/2000
1,4-Dichlorobenzene	<25* ug/kg	25	60	18	1.0	8260	cps	8/24/2000
2,2-Dichloropropane	<25* ug/kg	25	60	14	1.0	8260	cps	8/24/2000
2-Chlorotoluene	<25* ug/kg	25	60	15	1.0	8260	cps	8/24/2000
4-Chlorotoluene	<25* ug/kg	25	60	13	1.0	8260	cps	8/24/2000
Benzene	<25* ug/kg	25	60	13	1.0	8260	cps	8/24/2000
Bromobenzene	<25* ug/kg	25	60	16	1.0	8260	cps	8/24/2000
Bromodichloromethane	<25* ug/kg	25	60	19	1.0	8260	cps	8/24/2000
Carbon tetrachloride	<25* ug/kg	25	60	13	1.0	8260	cps	8/24/2000
Chlorobenzene	<25* ug/kg	25	60	13	1.0	8260	cps	8/24/2000

* According to LUST Release News, October 1994 Volume 4, Number 5; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

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Larry Wehrheim
Key Engineering Group, LTD.
W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000621
DATE REPORTED: 25-Aug-00
DATE RECEIVED: 24-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: Tecumsch

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/24/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/24/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/24/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/24/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/24/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/24/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/24/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/24/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/24/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/24/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/24/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/24/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/24/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/24/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/24/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/24/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/24/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/24/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/24/2000

* According to LUST Release News, October 1994 Volume 4, Number 5; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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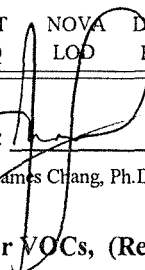
ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000621
 DATE REPORTED: 25-Aug-00
 DATE RECEIVED: 24-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
----------	-------------	-------	----------	----------	----------	-----------------	----	--------	---------	------------------

Approved By: 

James Chang, Ph.D., Lab Director

Date:  

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g. "B" = Showed in Blank sample.

*Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.*

*** According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.**

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
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Project Name: Tecumseh-Grafton
 Project ID: 1007010

Project Manager: L. Wehrheim
 Company: KEY ENGINEERING GF
 Address: W66 N215 COMMERCE C
 City/State/Zip: CEDARBURG WI 53012
 Phone: 414-375-4750 Fax: 375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

A. HCl E. Methanol 100
 B. HNO3 F. Filtered Preservation /
 C. NaOH G. None Filtration Code
 D. H2SO4 H. Others

Test Required	Matrix	A	B	C	D	E	F	G	H	Preservation / Filtration Code
01 S-1-12 ECD	Soil	X	X	X	X	X	X	X	X	X
02 S-1-13 % Solid									X	
03 S-1-14 VOCs 8260										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										

Additional Information:	Collection Time	Collection Date	Sample ID	Lab ID	COC#
Hold for possible GC/MS (8260) % solids included	1:55	8/25/00	S-1-12	20948	
	1:59		S-1-13	20949	
	2:07		S-1-14	20950	
	2:05		S-1-15	20951	
			Methanol Blank	20952	
			ST-1-1	20953	
			ST-2-1	20954	
			ST-3-1	20955	
			ST-4-1	20956	
			ST-5-1	20957	
			ST-6-1	20958	
			ST-7-1	20959	
			ST-8-1	20960	
			S-1-16	20970	

Relinquished By:	Date/Time	Received By:
<i>Todd M...</i>	4:10 p.m. 8/25/00	

Special Instructions:
20000627



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000627
 DATE REPORTED: 29-Aug-00
 DATE RECEIVED: 28-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 20948		QC Prep Batch Number:		Collection: 8/25/2000		Time: 13:55			
Client ID: S-1-12		Sample Description:							
1,1,1-Trichloroethane	57	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	1390	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20949		QC Prep Batch Number:		Collection: 8/25/2000		Time: 13:59			
Client ID: S-1-13		Sample Description:							
1,1,1-Trichloroethane	81	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	819	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20950		QC Prep Batch Number:		Collection: 8/25/2000		Time: 14:11			
Client ID: S-1-14		Sample Description:							
1,1,1-Trichloroethane	138	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	813	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20951		QC Prep Batch Number:		Collection: 8/25/2000		Time: 14:05			
Client ID: S-1-15		Sample Description:							
1,1,1-Trichloroethane	11	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	1830	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20952		QC Prep Batch Number:		Collection: 8/25/2000		Time:			
Client ID: Methanol Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20953		QC Prep Batch Number:		Collection: 8/25/2000		Time: 14:20			
Client ID: ST-1-1		Sample Description:							
1,1,1-Trichloroethane	98	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	2950	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20954		QC Prep Batch Number:		Collection: 8/25/2000		Time: 14:30			
Client ID: ST-2-1		Sample Description:							
1,1,1-Trichloroethane	38	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	596	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000627
 DATE REPORTED: 29-Aug-00
 DATE RECEIVED: 25-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 20955		QC Prep Batch Number:		Collection: 8/25/2000		Time: 14:40			
Client ID: ST-3-1		Sample Description:							
1,1,1-Trichloroethane	65	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	2610	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20956		QC Prep Batch Number:		Collection: 8/25/2000		Time: 14:50			
Client ID: ST-4-1		Sample Description:							
1,1,1-Trichloroethane	74	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	684	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20957		QC Prep Batch Number:		Collection: 8/25/2000		Time: 15:00			
Client ID: ST-5-1		Sample Description:							
1,1,1-Trichloroethane	113	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	784	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20958		QC Prep Batch Number:		Collection: 8/25/2000		Time: 15:10			
Client ID: ST-6-1		Sample Description:							
1,1,1-Trichloroethane	131	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	1160	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20959		QC Prep Batch Number:		Collection: 8/25/2000		Time: 15:20			
Client ID: ST-7-1		Sample Description:							
1,1,1-Trichloroethane	20	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	272	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20960		QC Prep Batch Number:		Collection: 8/25/2000		Time: 15:40			
Client ID: ST-8-1		Sample Description:							
1,1,1-Trichloroethane	62	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	1510	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Sample Number: 20970		QC Prep Batch Number:		Collection: 8/25/2000		Time: 02:10			
Client ID: S-1-16		Sample Description:							
1,1,1-Trichloroethane	89	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000
Trichloroethene	17600	ug/kg	0.03	0.08	1	8082	cps		/ 8/25/2000



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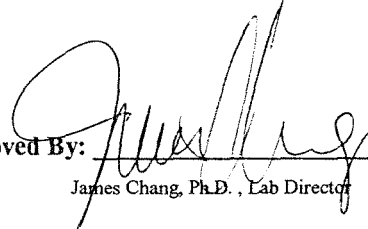
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000627
 DATE REPORTED: 29-Aug-00
 DATE RECEIVED: 25-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Tecumseh-Graft
 PROJECT NAME: 1007010

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:  Date: 8/29/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000627
 DATE REPORTED: 30-Aug-00
 DATE RECEIVED: 25-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Grafton

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 20949	Percent Solid: 86.2%		QC Batch Number: 995075		Sample analyzed within 4 Day(s) from collection.					
Client ID: S-1-13	Sample Description:						Collection: 8/25/2000	Time: 13:59		
1,1,1-Trichloroethane	90	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/29/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/29/2000
1,1-Dichloroethane	61	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/29/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/29/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/29/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
cis-1,2-Dichloroethene	880	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/29/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/29/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/29/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000627
 DATE REPORTED: 30-Aug-00
 DATE RECEIVED: 25-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Grafton

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/29/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Trichloroethene	1090	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/29/2000

Sample Number: 20950	Percent Solid: 83.1%	QC Batch Number: 995075	Sample analyzed within 4 Day(s) from collection.							
Client ID: S-1-14	Sample Description:			Collection: 8/25/2000	Time: 14:11					
1,1,1-Trichloroethane	146	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/29/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/29/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/29/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/29/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000

* According to LUST Release News, October 1994 Volume 4, Number 5,; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000627
 DATE REPORTED: 30-Aug-00
 DATE RECEIVED: 25-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Grafton

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/29/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
cis-1,2-Dichloroethene	187	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/29/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/29/2000
Methylene chloride	102	ug/kg	25	60	15	1.0	B	8260	cps	8/29/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/29/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Trichloroethene	1050	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/29/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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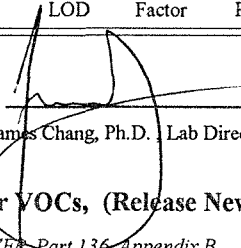
ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000627
 DATE REPORTED: 30-Aug-00
 DATE RECEIVED: 25-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Grafton

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
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Approved By: 

James Chang, Ph.D. Lab Director

Date: 9/1/00

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

*** According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.**

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

20000629

APL Environmental

8222 W. Galumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Tecumseh

Project ID: 100 70 10

Project Manager: Larry Wehrheim

Company: Key Engineering Group, LTD.

Address: W66 N215 Commerce Court

City/State/Zip: Cedarburg, WI 53012

Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
Preservation / Filtration Code

Test Required	Matrix																			
<u>TCE + TCA - 1200</u> <u>4. Sol. 25</u>	Soil	X																		E
	Soil																			
	Soil																			
	Soil																			
	Soil																			
Solid %	Soil																			
TCA, TCE Analysis	Soil																			
Additional Information:	Collection Time																			COC#
	Collection Date																			
	Sample ID	<u>5-1-17</u>																		
	Lab ID	<u>2097</u>																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		

Relinquished By:	Date/Time	Received By:
<u>Todd M. [Signature]</u>	<u>9:45</u> <u>8-28-00</u>	
<u>Larry Wehrheim</u>	<u>8/28/00</u> <u>10:23</u>	

Special Instructions:



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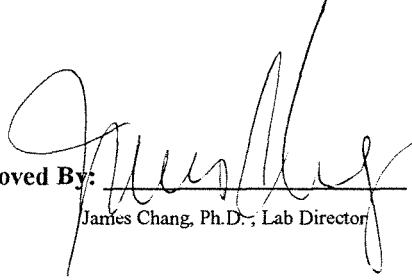
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000629
 DATE REPORTED: 29-Aug-00
 DATE RECEIVED: 28-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 20971		QC Prep Batch Number:		Collection: 8/28/2000		Time: 09:45			
Client ID: S-1-17		Sample Description:							
1,1,1-Trichloroethane	18	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000
Trichloroethene	4270	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 8/29/00

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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Larry Wehrheim
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000630
 DATE REPORTED: 29-Aug-00
 DATE RECEIVED: 28-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Tecumseh
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 20972		QC Prep Batch Number:			Collection: 8/28/2000		Time:		
Client ID: S-1-18					Sample Description:				
1,1,1-Trichloroethane	149	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000
Trichloroethene	19500	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000
Sample Number: 20973		QC Prep Batch Number:			Collection: 8/28/2000		Time:		
Client ID: S-1-19					Sample Description:				
1,1,1-Trichloroethane	79	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000
Trichloroethene	9860	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000
Sample Number: 20974		QC Prep Batch Number:			Collection: 8/28/2000		Time:		
Client ID: S-1-20					Sample Description:				
1,1,1-Trichloroethane	383	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000
Trichloroethene	9450	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000
Sample Number: 20975		QC Prep Batch Number:			Collection: 8/28/2000		Time:		
Client ID: S-1-21					Sample Description:				
1,1,1-Trichloroethane	158	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000
Trichloroethene	22500	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000
Sample Number: 20976		QC Prep Batch Number:			Collection: 8/28/2000		Time:		
Client ID: S-1-22					Sample Description:				
1,1,1-Trichloroethane	103	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000
Trichloroethene	12100	ug/kg	0.03	0.08	1	8082	cps		/ 8/28/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000630
 DATE REPORTED: 29-Aug-00
 DATE RECEIVED: 28-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: Tecumseh
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:

James Chang, Ph.D., Lab Director

Date:

8/29/00

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Jecromsen
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl E. Methanol 200008014
 B. HNO3 F. Filtered Preservation /
 C. NaOH G. None Filtration Code
 D. H2SO4 H. Others

Test Required

Matrix 24 hr quick turn

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
Soil																			
Soil																			
Soil																			
Soil																			
Soil																			
Solid %	Soil																		
TCA, TCE Analysis	Soil	X	X	X	X	X	X												X
Additional Information:	Collection Time																		
	Collection Date	8/28/00																	
	Sample ID	S-1-23	S-1-25	S-1-26	S-1-27	S-1-29	meat plant												
	Lab ID	20977	20978	20979	20980	20981	20982												

20000631

Relinquished By: <u>[Signature]</u>	Date/Time: <u>8/28/00 5:00</u>	Received By: <u>[Signature]</u>
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Special Instructions:



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000631
 DATE REPORTED: 06-Sep-00
 DATE RECEIVED: 28-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 20977									
Client ID: S-1-23									
QC Prep Batch Number:									
Collection: 8/28/2000									
Time:									
Sample Description:									
1,1,1-Trichloroethane	15	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Trichloroethene	173	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Sample Number: 20978									
Client ID: S-1-25									
QC Prep Batch Number:									
Collection: 8/28/2000									
Time:									
Sample Description:									
1,1,1-Trichloroethane	102	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Trichloroethene	15500	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Sample Number: 20979									
Client ID: S-1-26									
QC Prep Batch Number:									
Collection: 8/28/2000									
Time:									
Sample Description:									
1,1,1-Trichloroethane	67	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Trichloroethene	5650	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Sample Number: 20980									
Client ID: S-1-27									
QC Prep Batch Number:									
Collection: 8/28/2000									
Time:									
Sample Description:									
1,1,1-Trichloroethane	72	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Trichloroethene	1860	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Sample Number: 20981									
Client ID: S-1-29									
QC Prep Batch Number:									
Collection: 8/28/2000									
Time:									
Sample Description:									
1,1,1-Trichloroethane	62	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Trichloroethene	1260	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Sample Number: 20982									
Client ID: MeOH Blank									
QC Prep Batch Number:									
Collection: 8/28/2000									
Time:									
Sample Description:									
1,1,1-Trichloroethane	<0.03	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000
Trichloroethene	<0.03	ug/kg	0.03	0.08	1	8082	cps		/ 8/29/2000



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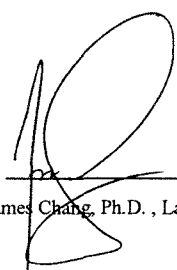
Larry Wehrheim
Key Engineering Group, LTD.
W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000631
DATE REPORTED: 06-Sep-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By: 

Date: 9/8/00

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "nd" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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Larry Wehrheim
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000631
 DATE REPORTED: 30-Aug-00
 DATE RECEIVED: 28-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 20977	Percent Solid: 83.7%		QC Batch Number: 995075		Sample analyzed within: 1 Day(s) from collection.					
Client ID: S-1-23	Sample Description:		Collection: 8/28/2000		Time:					
1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/29/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/29/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/29/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/29/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/29/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/29/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/29/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/29/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000

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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000631
 DATE REPORTED: 30-Aug-00
 DATE RECEIVED: 28-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/29/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Trichloroethene	225	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/29/2000

Sample Number: 20980	Percent Solid: 88.6%	QC Batch Number: 995075	Sample analyzed within 1 Day(s) from collection.							
Client ID: S-1-27	Sample Description:		Collection: 8/28/2000		Time:					
1,1,1-Trichloroethane	66	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/29/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/29/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/29/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/29/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000631
DATE REPORTED: 30-Aug-00
DATE RECEIVED: 28-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/29/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
cis-1,2-Dichloroethene	179	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/29/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/29/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/29/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/29/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Trichloroethene	1670	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/29/2000

Sample Number: 20981	Percent Solid: 86.8%	QC Batch Number: 995075	Sample analyzed within 1 Day(s) from collection.							
Client ID: S-1-29	Sample Description:		Collection: 8/28/2000 Time:							
1,1,1-Trichloroethane	60 ug/kg	25	60	16	1.0	8260	cps	8/29/2000		
1,1,2,2-Tetrachloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/29/2000		
1,1,2-Trichloroethane	<25* ug/kg	25	60	22	1.0	8260	cps	8/29/2000		
1,1-Dichloroethane	70 ug/kg	25	60	16	1.0	8260	cps	8/29/2000		
1,1-Dichloroethene	<25* ug/kg	25	60	17	1.0	8260	cps	8/29/2000		
1,2,3-Trichlorobenzene	<25* ug/kg	25	60	25	1.0	8260	cps	8/29/2000		
1,2,4-Trichlorobenzene	<25* ug/kg	25	60	23	1.0	8260	cps	8/29/2000		
1,2,4-Trimethylbenzene	<25* ug/kg	25	60	15	1.0	8260	cps	8/29/2000		
1,2-Dibromo-3-chloropropan	<25* ug/kg	25	60	17	1.0	8260	cps	8/29/2000		
1,2-Dichlorobenzene	<25* ug/kg	25	60	17	1.0	8260	cps	8/29/2000		

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000631
 DATE REPORTED: 30-Aug-00
 DATE RECEIVED: 28-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/29/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/29/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/29/2000
cis-1,2-Dichloroethene	468	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/29/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/29/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/29/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/29/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/29/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/29/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/29/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/29/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/29/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/29/2000
Trichloroethene	1290	ug/kg	25	60	17	1.0		8260	cps	8/29/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/29/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/29/2000

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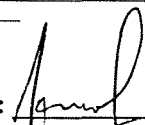
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ORGANIC REPORT

WDNR# 241340550
 INVOICE NUMBER: 20000631
 DATE REPORTED: 30-Aug-00
 DATE RECEIVED: 28-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Tecumseh

Compound	Dry Weight and Dilution Factor Corrected		LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis

Approved By:  Date: 8/31/00
 James Chang, Ph.D., Lab Director

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ: Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g. "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000635
 DATE REPORTED: 31-Aug-00
 DATE RECEIVED: 30-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 20988									
Client ID: ST-5-2									
			QC Prep Batch Number:			Collection: 8/30/2000		Time: 12:00	
Sample Description:									
1,1,1-Trichloroethane	97	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Trichloroethene	1780	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Sample Number: 20989									
Client ID: ST-6-2									
			QC Prep Batch Number:			Collection: 8/30/2000		Time: 12:00	
Sample Description:									
1,1,1-Trichloroethane	56	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Trichloroethene	641	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Sample Number: 20990									
Client ID: ST-7-2									
			QC Prep Batch Number:			Collection: 8/30/2000		Time: 12:00	
Sample Description:									
1,1,1-Trichloroethane	37	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Trichloroethene	762	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Sample Number: 20991									
Client ID: ST-8-2									
			QC Prep Batch Number:			Collection: 8/30/2000		Time: 12:00	
Sample Description:									
1,1,1-Trichloroethane	43	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Trichloroethene	1160	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Sample Number: 20992									
Client ID: ST-1-2									
			QC Prep Batch Number:			Collection: 8/30/2000		Time: 12:00	
Sample Description:									
1,1,1-Trichloroethane	50	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Trichloroethene	1290	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Sample Number: 20993									
Client ID: ST-2-2									
			QC Prep Batch Number:			Collection: 8/30/2000		Time: 12:00	
Sample Description:									
1,1,1-Trichloroethane	46	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Trichloroethene	1140	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Sample Number: 20994									
Client ID: ST-3-2									
			QC Prep Batch Number:			Collection: 8/30/2000		Time: 12:00	
Sample Description:									
1,1,1-Trichloroethane	89	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Trichloroethene	1220	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000635
 DATE REPORTED: 31-Aug-00
 DATE RECEIVED: 30-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number 20995	QC Prep Batch Number:				Collection: 8/30/2000		Time: 12:00		
Client ID NT-4-2	Sample Description:								
1,1,1-Trichloroethane	37	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Trichloroethene	536	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Sample Number 20996	QC Prep Batch Number:				Collection: 8/30/2000		Time:		
Client ID NT-1-1	Sample Description:								
1,1,1-Trichloroethane	56	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Trichloroethene	4170	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Sample Number 20997	QC Prep Batch Number:				Collection: 8/30/2000		Time:		
Client ID NT-2-1	Sample Description:								
1,1,1-Trichloroethane	14	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Trichloroethene	2100	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Sample Number 20998	QC Prep Batch Number:				Collection: 8/30/2000		Time:		
Client ID NT-3-1	Sample Description:								
1,1,1-Trichloroethane	28	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Trichloroethene	1260	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Sample Number 20999	QC Prep Batch Number:				Collection: 8/30/2000		Time:		
Client ID NT-4-1	Sample Description:								
1,1,1-Trichloroethane	65	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Trichloroethene	419	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Sample Number 21000	QC Prep Batch Number:				Collection: 8/30/2000		Time:		
Client ID NT-5-1	Sample Description:								
1,1,1-Trichloroethane	22	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Trichloroethene	823	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Sample Number 21001	QC Prep Batch Number:				Collection: 8/30/2000		Time:		
Client ID NT-6-1	Sample Description:								
1,1,1-Trichloroethane	16	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000
Trichloroethene	3940	ug/kg	0.03	0.08	1	8082	cps		/ 8/30/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000635
 DATE REPORTED: 31-Aug-00
 DATE RECEIVED: 30-Aug-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Sample Number: 21002 QC Prep Batch Number: Collection: 8/30/2000 Time:

Client ID: NT-7-1 Sample Description:

1,1,1-Trichloroethane	68	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Trichloroethene	5760	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000

Sample Number: 21003 QC Prep Batch Number: Collection: 8/30/2000 Time:

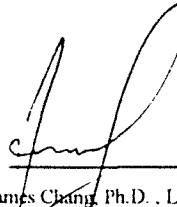
Client ID: NT-8-1 Sample Description:

1,1,1-Trichloroethane	45	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Trichloroethene	533	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000

Sample Number: 21004 QC Prep Batch Number: Collection: 8/30/2000 Time:

Client ID: Methanol Blank Sample Description:

1,1,1-Trichloroethane	0.03	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000
Trichloroethene	0.03	ug/kg	0.03	0.08	1		8082	cps	/ 8/30/2000

Approved By:  Date: 8/31/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40 CFR Part 136 Appendix B
 LOQ: $10(S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study; "e" Estimate value, over calibration range.
 LOD: $3.143(S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "N" = not specified
 RQ: Run Qualifier; "I" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000642
 DATE REPORTED: 02-Sep-00
 DATE RECEIVED: 01-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21034		QC Prep Batch Number:			Collection: 9/1/2000		Time:		
Client ID: ST-1-3		Sample Description:							
1,1,1-Trichloroethane	20	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Trichloroethene	353	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Sample Number: 21035		QC Prep Batch Number:			Collection: 9/1/2000		Time:		
Client ID: ST-2-3		Sample Description:							
1,1,1-Trichloroethane	41	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Trichloroethene	701	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Sample Number: 21036		QC Prep Batch Number:			Collection: 9/1/2000		Time:		
Client ID: ST-3-3		Sample Description:							
1,1,1-Trichloroethane	53	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Trichloroethene	452	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Sample Number: 21037		QC Prep Batch Number:			Collection: 9/1/2000		Time:		
Client ID: ST-4-3		Sample Description:							
1,1,1-Trichloroethane	44	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Trichloroethene	390	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Sample Number: 21038		QC Prep Batch Number:			Collection: 9/1/2000		Time:		
Client ID: ST-5-3		Sample Description:							
1,1,1-Trichloroethane	33	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Trichloroethene	807	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Sample Number: 21039		QC Prep Batch Number:			Collection: 9/1/2000		Time:		
Client ID: ST-6-3		Sample Description:							
1,1,1-Trichloroethane	17	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Trichloroethene	231	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Sample Number: 21040		QC Prep Batch Number:			Collection: 9/1/2000		Time:		
Client ID: ST-7-3		Sample Description:							
1,1,1-Trichloroethane	44	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000
Trichloroethene	788	ug/kg	0.03	0.08	1	8082	cps		/ 9/1/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000642
 DATE REPORTED: 02-Sep-00
 DATE RECEIVED: 01-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21041									
Client ID: ST-8-3									
QC Prep Batch Number:					Collection: 9/1/2000			Time:	
Sample Description:									
1,1,1-Trichloroethane	43	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Trichloroethene	1090	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Sample Number: 21042									
Client ID: NT-1-2									
QC Prep Batch Number:					Collection: 9/1/2000			Time:	
Sample Description:									
1,1,1-Trichloroethane	32	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Trichloroethene	2510	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Sample Number: 21043									
Client ID: NT-2-2									
QC Prep Batch Number:					Collection: 9/1/2000			Time:	
Sample Description:									
1,1,1-Trichloroethane	16	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Trichloroethene	798	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Sample Number: 21044									
Client ID: NT-3-2									
QC Prep Batch Number:					Collection: 9/1/2000			Time:	
Sample Description:									
1,1,1-Trichloroethane	43	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Trichloroethene	548	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Sample Number: 21045									
Client ID: NT-4-2									
QC Prep Batch Number:					Collection: 9/1/2000			Time:	
Sample Description:									
1,1,1-Trichloroethane	26	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Trichloroethene	559	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Sample Number: 21046									
Client ID: NT-5-2									
QC Prep Batch Number:					Collection: 9/1/2000			Time:	
Sample Description:									
1,1,1-Trichloroethane	19	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Trichloroethene	972	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Sample Number: 21047									
Client ID: NT-6-2									
QC Prep Batch Number:					Collection: 9/1/2000			Time:	
Sample Description:									
1,1,1-Trichloroethane	29	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Trichloroethene	1320	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000



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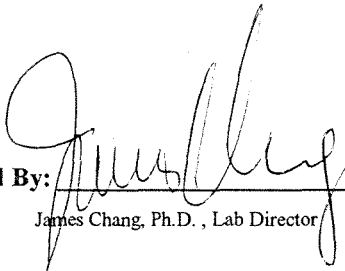
Larry Wehrheim
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000642
 DATE REPORTED: 02-Sep-00
 DATE RECEIVED: 01-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21048									
Client ID: NT-7-2									
QC Prep Batch Number:					Collection: 9/1/2000		Time:		
Sample Description:									
1,1,1-Trichloroethane	29	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Trichloroethene	474	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Sample Number: 21049									
Client ID: NT-8-2									
QC Prep Batch Number:					Collection: 9/1/2000		Time:		
Sample Description:									
1,1,1-Trichloroethane	37	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Trichloroethene	2060	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Sample Number: 21050									
Client ID: Methanol Blank									
QC Prep Batch Number:					Collection: 9/1/2000		Time:		
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/1/2000

Approved By:  Date: 9/2/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

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Project Name: Teccumseh Grafton
 Project ID: 100 70 10

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO₃
 - C. NaOH
 - D. H₂SO₄
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil																		
	Soil																		
	Soil																		
	Soil																		
	Soil																		
Solid %	Soil																		
TCA, TCE Analysis <u>ECD</u>	Soil	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Additional Information:	Collection Time																		
	Collection Date	9/6/00																	
	Sample ID	ST-1-4	ST-2-4	ST-3-4	ST-4-4	ST-5-4	ST-6-4	ST-7-4	ST-8-4	NT-1-3	NT-2-3	NT-3-3	NT-4-3	NT-5-3	NT-6-3	NT-7-3	NT-8-3	Mech Blank	
	Lab ID	21089	21090	21091	21092	21093	21094	21095	21096	21097	21098	21099	21100	21101	21102	21103	21104	21105	

Relinquished By: <u>Larry Wehrheim</u>	Date/Time: <u>9/6/00</u>	Received By: <u>[Signature]</u>
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Special Instructions: 20000648



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000648
 DATE REPORTED: 07-Sep-00
 DATE RECEIVED: 06-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsoh Grafto

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21089		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: ST-1-4		Sample Description:							
1,1,1-Trichloroethane	22	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	420	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21090		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: ST-2-4		Sample Description:							
1,1,1-Trichloroethane	30	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	472	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21091		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: ST-3-4		Sample Description:							
1,1,1-Trichloroethane	22	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	294	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21092		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: ST-4-4		Sample Description:							
1,1,1-Trichloroethane	21	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	211	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21093		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: ST-5-4		Sample Description:							
1,1,1-Trichloroethane	24	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	370	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21094		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: ST-6-4		Sample Description:							
1,1,1-Trichloroethane	20	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	271	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21095		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: ST-7-4		Sample Description:							
1,1,1-Trichloroethane	49	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	1250	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000648
 DATE REPORTED: 07-Sep-00
 DATE RECEIVED: 06-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsoh Grafto

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21096		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: ST-8-4					Sample Description:				
1,1,1-Trichloroethane	41	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	490	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21097		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: NT-1-3					Sample Description:				
1,1,1-Trichloroethane	16	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	999	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21098		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: NT-2-3					Sample Description:				
1,1,1-Trichloroethane	14	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	362	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21099		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: NT-3-3					Sample Description:				
1,1,1-Trichloroethane	16	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	409	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21100		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: NT-4-3					Sample Description:				
1,1,1-Trichloroethane	18	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	463	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21101		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: NT-5-3					Sample Description:				
1,1,1-Trichloroethane	14	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	562	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Sample Number: 21102		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: NT-6-3					Sample Description:				
1,1,1-Trichloroethane	18	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000
Trichloroethene	468	ug/kg	0.03	0.08	1	8082	cps		/ 9/6/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000648
 DATE REPORTED: 07-Sep-00
 DATE RECEIVED: 06-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsoh Grafto

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21103		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: NT-7-3		Sample Description:							
1,1,1-Trichloroethane	22	ug/kg	0.03	0.08	1		8082	cps	/ 9/6/2000
Trichloroethene	509	ug/kg	0.03	0.08	1		8082	cps	/ 9/6/2000
Sample Number: 21104		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: NT-8-3		Sample Description:							
1,1,1-Trichloroethane	16	ug/kg	0.03	0.08	1		8082	cps	/ 9/6/2000
Trichloroethene	635	ug/kg	0.03	0.08	1		8082	cps	/ 9/6/2000
Sample Number: 21105		QC Prep Batch Number:			Collection: 9/6/2000		Time:		
Client ID: Methanol Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/6/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/6/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 9/17/00

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

2000052

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Tepumseh
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Soil																	
	Soil																	
	Soil																	
<u>VOCs (8260)</u>	Soil	X	X	X	X	X	X	X	X	X								
Solid %	Soil																	
TCA, TCE Analysis <u>EDC</u>	Soil	X							X									
Additional Information:	Collection Time																	
	Collection Date		<u>9/1/00</u>															
	Sample ID	<u>NT-1-4</u>	<u>NT-3-4</u>	<u>NT-5-4</u>	<u>NT-7-4</u>	<u>ST-1-5</u>	<u>ST-3-5</u>	<u>ST-5-5</u>	<u>ST-7-5</u>	<u>Blank</u>								
	Lab ID	<u>21131</u>	<u>21128</u>	<u>21129</u>	<u>21130</u>	<u>21131</u>	<u>21132</u>	<u>21133</u>	<u>21135</u>	<u>21127</u>								
	COC#																	

Relinquished By: L. Wehrheim
 Date/Time: 9/1/00 4:04
 Received By: [Signature]

Special Instructions:
Analyze NT-1 & ST-7 for VOCs if EDC confirms TCE < 1.0 ppm



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652

DATE REPORTED: 09-Sep-00

DATE RECEIVED: 07-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21127		QC Batch Number: 995128				Collection: 9/7/2000		Time:	
Client ID: Blank		%Solid: 100		Sample Description:					
1,1,1-Trichloroethane	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
1,1,2,2-Tetrachloroethane	< 22	ug/kg	22	70	1	8260	cps		9/8/2000
1,1,2-Trichloroethane	< 22	ug/kg	22	70	1	8260	cps		9/8/2000
1,1-Dichloroethane	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
1,1-Dichloroethene	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
1,2,3-Trichlorobenzene	< 25	ug/kg	25	80	1	8260	cps		9/8/2000
1,2,4-Trichlorobenzene	< 23	ug/kg	23	73	1	8260	cps		9/8/2000
1,2,4-Trimethylbenzene	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
1,2-Dibromo-3-chloropropan	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
1,2-Dichlorobenzene	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
1,2-Dichloroethane	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
1,2-Dichloropropane	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
1,3,5-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
1,3-Dichlorobenzene	< 13	ug/kg	13	41	1	8260	cps		9/8/2000
1,3-Dichloropropane	< 20	ug/kg	20	64	1	8260	cps		9/8/2000
1,4-Dichlorobenzene	< 18	ug/kg	18	57	1	8260	cps		9/8/2000
2,2-Dichloropropane	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
2-Chlorotoluene	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
4-Chlorotoluene	< 13	ug/kg	13	41	1	8260	cps		9/8/2000
Benzene	< 13	ug/kg	13	41	1	8260	cps		9/8/2000
Bromobenzene	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
Bromodichloromethane	< 19	ug/kg	19	60	1	8260	cps		9/8/2000
Carbon tetrachloride	< 13	ug/kg	13	41	1	8260	cps		9/8/2000
Chlorobenzene	< 13	ug/kg	13	41	1	8260	cps		9/8/2000
Chloroethane	< 32	ug/kg	32	102	1	8260	cps		9/8/2000
Chloroform	< 12	ug/kg	12	38	1	8260	cps		9/8/2000
Chloromethane	< 25	ug/kg	25	80	1	8260	cps		9/8/2000
cis-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
Dibromochloromethane	< 20	ug/kg	20	64	1	8260	cps		9/8/2000
Dichlorodifluoromethane	< 13	ug/kg	13	41	1	8260	cps		9/8/2000
Ethylbenzene	< 13	ug/kg	13	41	1	8260	cps		9/8/2000
Hexachlorobutadiene	< 21	ug/kg	21	67	1	8260	cps		9/8/2000
Isopropyl Ether	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
Isopropylbenzene	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
m&p-xylene	< 27	ug/kg	27	86	1	8260	cps		9/8/2000
Methylene chloride	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
MTBE	< 20	ug/kg	20	64	1	8260	cps		9/8/2000
n-Butylbenzene	< 18	ug/kg	18	57	1	8260	cps		9/8/2000



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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652
 DATE REPORTED: 09-Sep-00
 DATE RECEIVED: 07-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 14	ug/kg	14	45	1		8260	cps		9/8.2000
Naphthalene	< 38	ug/kg	38	121	1		8260	cps		9/8.2000
o-xylene	< 13	ug/kg	13	41	1		8260	cps		9/8.2000
p-Isopropyltoluene	< 16	ug/kg	16	51	1		8260	cps		9/8.2000
sec-Butylbenzene	< 17	ug/kg	17	54	1		8260	cps		9/8.2000
tert-Butylbenzene	< 15	ug/kg	15	48	1		8260	cps		9/8.2000
Tetrachloroethene	< 15	ug/kg	15	48	1		8260	cps		9/8.2000
Toluene	< 15	ug/kg	15	48	1		8260	cps		9/8.2000
trans-1,2-Dichloroethene	< 13	ug/kg	13	41	1		8260	cps		9/8.2000
Trichloroethene	< 17	ug/kg	17	54	1		8260	cps		9/8.2000
Trichlorofluoromethane	< 12	ug/kg	12	38	1		8260	cps		9/8.2000
Vinyl chloride	< 11	ug/kg	11	35	1		8260	cps		9/8.2000

APL Sample Number: 21128
 Client ID: NT-3-4

QC Batch Number: 995128
 %Solid: 91.9

Collection: 9/7/2000 Time: 12:00
 Sample Description:

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
1,1,1-Trichloroethane	39	ug/kg	17	54	1	J	8260	cps		9/8.2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1		8260	cps		9/8.2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1		8260	cps		9/8.2000
1,1-Dichloroethane	< 17	ug/kg	17	54	1		8260	cps		9/8.2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1		8260	cps		9/8.2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	cps		9/8.2000
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1		8260	cps		9/8.2000
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1		8260	cps		9/8.2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1		8260	cps		9/8.2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1		8260	cps		9/8.2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1		8260	cps		9/8.2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1		8260	cps		9/8.2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1		8260	cps		9/8.2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	cps		9/8.2000
1,3-Dichloropropane	< 21	ug/kg	21	67	1		8260	cps		9/8.2000
1,4-Dichlorobenzene	< 19	ug/kg	19	60	1		8260	cps		9/8.2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1		8260	cps		9/8.2000
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	cps		9/8.2000
4-Chlorotoluene	< 14	ug/kg	14	45	1		8260	cps		9/8.2000
Benzene	< 15	ug/kg	15	48	1		8260	cps		9/8.2000
Bromobenzene	< 17	ug/kg	17	54	1		8260	cps		9/8.2000
Bromodichloromethane	< 21	ug/kg	21	67	1		8260	cps		9/8.2000
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	cps		9/8.2000
Chlorobenzene	< 14	ug/kg	14	45	1		8260	cps		9/8.2000
Chloroethane	< 35	ug/kg	35	111	1		8260	cps		9/8.2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Larry Wehrheim
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652

DATE REPORTED: 09-Sep-00

DATE RECEIVED: 07-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Chloroform	< 13	ug/kg	13	41	1	8260	cps			9/8/2000
Chloromethane	< 27	ug/kg	27	86	1	8260	cps			9/8/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps			9/8/2000
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	cps			9/8/2000
Dichlorodifluoromethane	< 14	ug/kg	14	45	1	8260	cps			9/8/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps			9/8/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	cps			9/8/2000
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	cps			9/8/2000
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps			9/8/2000
m&p-xylene	< 29	ug/kg	29	92	1	8260	cps			9/8/2000
Methylene chloride	< 16	ug/kg	16	51	1	8260	cps			9/8/2000
MTBE	< 21	ug/kg	21	67	1	8260	cps			9/8/2000
n-Butylbenzene	< 19	ug/kg	19	60	1	8260	cps			9/8/2000
n-Propylbenzene	< 15	ug/kg	15	48	1	8260	cps			9/8/2000
Naphthalene	< 41	ug/kg	41	130	1	8260	cps			9/8/2000
o-xylene	< 14	ug/kg	14	45	1	8260	cps			9/8/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260	cps			9/8/2000
sec-Butylbenzene	< 18	ug/kg	18	57	1	8260	cps			9/8/2000
tert-Butylbenzene	< 16	ug/kg	16	51	1	8260	cps			9/8/2000
Tetrachloroethene	59	ug/kg	17	54	1	8260	cps			9/8/2000
Toluene	< 16	ug/kg	16	51	1	8260	cps			9/8/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	cps			9/8/2000
Trichloroethene	802	ug/kg	19	60	1	8260	cps			9/8/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260	cps			9/8/2000
Vinyl chloride	< 12	ug/kg	12	38	1	8260	cps			9/8/2000

APL Sample Number: 21129

QC Batch Number: 995128

Collection: 9/7/2000

Time: 12:00

Client ID: NT-5-4

%Solid: 91.8

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260	cps			9/8/2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260	cps			9/8/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	cps			9/8/2000
1,1-Dichloroethane	< 17	ug/kg	17	54	1	8260	cps			9/8/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps			9/8/2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	cps			9/8/2000
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260	cps			9/8/2000
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1	8260	cps			9/8/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	cps			9/8/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps			9/8/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	cps			9/8/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps			9/8/2000

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Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652

DATE REPORTED: 09-Sep-00

DATE RECEIVED: 07-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps		9/8/2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260	cps		9/8/2000
1,4-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps		9/8/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
Benzene	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
Bromobenzene	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	cps		9/8/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
Chlorobenzene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
Chloroethane	< 35	ug/kg	35	111	1	8260	cps		9/8/2000
Chloroform	< 13	ug/kg	13	41	1	8260	cps		9/8/2000
Chloromethane	< 27	ug/kg	27	86	1	8260	cps		9/8/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	cps		9/8/2000
Dichlorodifluoromethane	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	cps		9/8/2000
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps		9/8/2000
m&p-xylene	< 29	ug/kg	29	92	1	8260	cps		9/8/2000
Methylene chloride	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
MTBE	< 21	ug/kg	21	67	1	8260	cps		9/8/2000
n-Butylbenzene	< 19	ug/kg	19	60	1	8260	cps		9/8/2000
n-Propylbenzene	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
Naphthalene	< 41	ug/kg	41	130	1	8260	cps		9/8/2000
o-xylene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
sec-Butylbenzene	< 18	ug/kg	18	57	1	8260	cps		9/8/2000
tert-Butylbenzene	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
Tetrachloroethene	39	ug/kg	17	54	1	J 8260	cps		9/8/2000
Toluene	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
Trichloroethene	449	ug/kg	19	60	1	8260	cps		9/8/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260	cps		9/8/2000
Vinyl chloride	< 12	ug/kg	12	38	1	8260	cps		9/8/2000



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652

DATE REPORTED: 09-Sep-00

DATE RECEIVED: 07-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21130		QC Batch Number: 995128		Collection: 9/7/2000		Time: 12:00			
Client ID: NT-7-4		%Solid: 91.8		Sample Description:					
1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260	cps	9/8/2000	
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260	cps	9/8/2000	
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	cps	9/8/2000	
1,1-Dichloroethane	< 17	ug/kg	17	54	1	8260	cps	9/8/2000	
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps	9/8/2000	
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	cps	9/8/2000	
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260	cps	9/8/2000	
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1	8260	cps	9/8/2000	
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	cps	9/8/2000	
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps	9/8/2000	
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	cps	9/8/2000	
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps	9/8/2000	
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps	9/8/2000	
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	cps	9/8/2000	
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260	cps	9/8/2000	
1,4-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps	9/8/2000	
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps	9/8/2000	
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	cps	9/8/2000	
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260	cps	9/8/2000	
Benzene	< 15	ug/kg	15	48	1	8260	cps	9/8/2000	
Bromobenzene	< 17	ug/kg	17	54	1	8260	cps	9/8/2000	
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	cps	9/8/2000	
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps	9/8/2000	
Chlorobenzene	< 14	ug/kg	14	45	1	8260	cps	9/8/2000	
Chloroethane	< 35	ug/kg	35	111	1	8260	cps	9/8/2000	
Chloroform	< 13	ug/kg	13	41	1	8260	cps	9/8/2000	
Chloromethane	< 27	ug/kg	27	86	1	8260	cps	9/8/2000	
cis-1,2-Dichloroethene	35	ug/kg	15	48	1	J 8260	cps	9/8/2000	
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	cps	9/8/2000	
Dichlorodifluoromethane	< 14	ug/kg	14	45	1	8260	cps	9/8/2000	
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps	9/8/2000	
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	cps	9/8/2000	
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	cps	9/8/2000	
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps	9/8/2000	
m&p-xylene	< 29	ug/kg	29	92	1	8260	cps	9/8/2000	
Methylene chloride	< 17	ug/kg	17	54	1	8260	cps	9/8/2000	
MTBE	< 21	ug/kg	21	67	1	8260	cps	9/8/2000	
n-Butylbenzene	< 19	ug/kg	19	60	1	8260	cps	9/8/2000	

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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652
 DATE REPORTED: 09-Sep-00
 DATE RECEIVED: 07-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
Naphthalene	< 41	ug/kg	41	130	1	8260		cps		9/8/2000
o-xylene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
sec-Butylbenzene	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
tert-Butylbenzene	< 16	ug/kg	16	51	1	8260		cps		9/8/2000
Tetrachloroethene	63	ug/kg	17	54	1	8260		cps		9/8/2000
Toluene	< 16	ug/kg	16	51	1	8260		cps		9/8/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
Trichloroethene	775	ug/kg	19	60	1	8260		cps		9/8/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260		cps		9/8/2000
Vinyl chloride	< 12	ug/kg	12	38	1	8260		cps		9/8/2000

APL Sample Number: 21131
 Client ID: ST-1-5

QC Batch Number: 995128

Collection: 9/7/2000

Time: 12:00

%Solid: 91.1

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260		cps		9/8/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260		cps		9/8/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260		cps		9/8/2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260		cps		9/8/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260		cps		9/8/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260		cps		9/8/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260		cps		9/8/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260		cps		9/8/2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260		cps		9/8/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260		cps		9/8/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260		cps		9/8/2000
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
Benzene	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
Bromobenzene	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
Bromodichloromethane	< 21	ug/kg	21	67	1	8260		cps		9/8/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
Chlorobenzene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
Chloroethane	< 35	ug/kg	35	111	1	8260		cps		9/8/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652

DATE REPORTED: 09-Sep-00

DATE RECEIVED: 07-Sep-00

SAMPLE TEMP (C): Rec On Rec

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Chloroform	< 13	ug/kg	13	41	1		8260	cps		9/8/2000
Chloromethane	< 27	ug/kg	27	86	1		8260	cps		9/8/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Dibromochloromethane	< 22	ug/kg	22	70	1		8260	cps		9/8/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Ethylbenzene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1		8260	cps		9/8/2000
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
Isopropylbenzene	< 18	ug/kg	18	57	1		8260	cps		9/8/2000
m&p-xylene	< 29	ug/kg	29	92	1		8260	cps		9/8/2000
Methylene chloride	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
MTBE	< 21	ug/kg	21	67	1		8260	cps		9/8/2000
n-Butylbenzene	< 20	ug/kg	20	64	1		8260	cps		9/8/2000
n-Propylbenzene	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Naphthalene	< 41	ug/kg	41	130	1		8260	cps		9/8/2000
o-xylene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	cps		9/8/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
Toluene	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Trichloroethene	378	ug/kg	19	60	1		8260	cps		9/8/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	cps		9/8/2000
Vinyl chloride	< 12	ug/kg	12	38	1		8260	cps		9/8/2000

APL Sample Number: 21132

QC Batch Number: 995128

Collection: 9/7/2000

Time: 12:00

Client ID: ST-3-5

%Solid: 91.4

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1		8260	cps		9/8/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1		8260	cps		9/8/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1		8260	cps		9/8/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1		8260	cps		9/8/2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	cps		9/8/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1		8260	cps		9/8/2000
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1		8260	cps		9/8/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1		8260	cps		9/8/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1		8260	cps		9/8/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1		8260	cps		9/8/2000



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652

DATE REPORTED: 09-Sep-00

DATE RECEIVED: 07-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1		8260	cps		9/8/2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
1,3-Dichloropropane	< 21	ug/kg	21	67	1		8260	cps		9/8/2000
1,4-Dichlorobenzene	< 19	ug/kg	19	60	1		8260	cps		9/8/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
4-Chlorotoluene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Benzene	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Bromobenzene	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
Bromodichloromethane	< 21	ug/kg	21	67	1		8260	cps		9/8/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Chlorobenzene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Chloroethane	< 35	ug/kg	35	111	1		8260	cps		9/8/2000
Chloroform	< 13	ug/kg	13	41	1		8260	cps		9/8/2000
Chloromethane	< 27	ug/kg	27	86	1		8260	cps		9/8/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Dibromochloromethane	< 22	ug/kg	22	70	1		8260	cps		9/8/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Ethylbenzene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1		8260	cps		9/8/2000
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
Isopropylbenzene	< 18	ug/kg	18	57	1		8260	cps		9/8/2000
m&p-xylene	< 29	ug/kg	29	92	1		8260	cps		9/8/2000
Methylene chloride	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
MTBE	< 21	ug/kg	21	67	1		8260	cps		9/8/2000
n-Butylbenzene	< 20	ug/kg	20	64	1		8260	cps		9/8/2000
n-Propylbenzene	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Naphthalene	< 41	ug/kg	41	130	1		8260	cps		9/8/2000
o-xylene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
sec-Butylbenzene	< 18	ug/kg	18	57	1		8260	cps		9/8/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
Toluene	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Trichloroethene	198	ug/kg	19	60	1		8260	cps		9/8/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	cps		9/8/2000
Vinyl chloride	< 12	ug/kg	12	38	1		8260	cps		9/8/2000



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652
 DATE REPORTED: 09-Sep-00
 DATE RECEIVED: 07-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21133		QC Batch Number: 995128				Collection: 9/7/2000		Time: 12:00	
Client ID: ST-5-5		%Solid: 91.6		Sample Description:					
1,1,1-Trichloroethane	27	ug/kg	17	54	1	J 8260	cps		9/8/2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260	cps		9/8/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	cps		9/8/2000
1,1-Dichloroethane	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps		9/8/2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	cps		9/8/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	cps		9/8/2000
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	cps		9/8/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps		9/8/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	cps		9/8/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps		9/8/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps		9/8/2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260	cps		9/8/2000
1,4-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps		9/8/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
Benzene	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
Bromobenzene	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	cps		9/8/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
Chlorobenzene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
Chloroethane	< 35	ug/kg	35	111	1	8260	cps		9/8/2000
Chloroform	< 13	ug/kg	13	41	1	8260	cps		9/8/2000
Chloromethane	< 27	ug/kg	27	86	1	8260	cps		9/8/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	cps		9/8/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	cps		9/8/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps		9/8/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	cps		9/8/2000
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	cps		9/8/2000
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps		9/8/2000
m&p-xylene	< 29	ug/kg	29	92	1	8260	cps		9/8/2000
Methylene chloride	< 17	ug/kg	17	54	1	8260	cps		9/8/2000
MTBE	< 21	ug/kg	21	67	1	8260	cps		9/8/2000
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	cps		9/8/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652

DATE REPORTED: 09-Sep-00

DATE RECEIVED: 07-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
Naphthalene	< 41	ug/kg	41	130	1	8260		cps		9/8/2000
o-xylene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
sec-Butylbenzene	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
Tetrachloroethene	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
Toluene	< 16	ug/kg	16	51	1	8260		cps		9/8/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
Trichloroethene	246	ug/kg	19	60	1	8260		cps		9/8/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260		cps		9/8/2000
Vinyl chloride	< 12	ug/kg	12	38	1	8260		cps		9/8/2000

APL Sample Number: 21134

QC Batch Number: 995128

Collection: 9/7/2000

Time: 12:00

Client ID: NT-1-4

%Solid: 91.1

Sample Description:

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
1,1,1-Trichloroethane	35	ug/kg	17	54	1	J 8260		cps		9/8/2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260		cps		9/8/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260		cps		9/8/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260		cps		9/8/2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260		cps		9/8/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260		cps		9/8/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260		cps		9/8/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260		cps		9/8/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260		cps		9/8/2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260		cps		9/8/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260		cps		9/8/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260		cps		9/8/2000
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
Benzene	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
Bromobenzene	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
Bromodichloromethane	< 21	ug/kg	21	67	1	8260		cps		9/8/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
Chlorobenzene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
Chloroethane	< 35	ug/kg	35	111	1	8260		cps		9/8/2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by these terms and conditions set forth herein.



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652

DATE REPORTED: 09-Sep-00

DATE RECEIVED: 07-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Chloroform	< 13	ug/kg	13	41	1	8260		cps		9/8/2000
Chloromethane	< 27	ug/kg	27	86	1	8260		cps		9/8/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
Dibromochloromethane	< 22	ug/kg	22	70	1	8260		cps		9/8/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260		cps		9/8/2000
Isopropyl Ether	< 16	ug/kg	16	51	1	8260		cps		9/8/2000
Isopropylbenzene	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
m&p-xylene	< 29	ug/kg	29	92	1	8260		cps		9/8/2000
Methylene chloride	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
MTBE	< 21	ug/kg	21	67	1	8260		cps		9/8/2000
n-Butylbenzene	< 20	ug/kg	20	64	1	8260		cps		9/8/2000
n-Propylbenzene	< 15	ug/kg	15	48	1	8260		cps		9/8/2000
Naphthalene	< 41	ug/kg	41	130	1	8260		cps		9/8/2000
o-xylene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1	8260		cps		9/8/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
Tetrachloroethene	314	ug/kg	17	54	1	8260		cps		9/8/2000
Toluene	< 16	ug/kg	16	51	1	8260		cps		9/8/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260		cps		9/8/2000
Trichloroethene	1260	ug/kg	19	60	1	8260		cps		9/8/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260		cps		9/8/2000
Vinyl chloride	< 12	ug/kg	12	38	1	8260		cps		9/8/2000

APL Sample Number: 21135

QC Batch Number: 995128

Collection: 9/7/2000

Time: 12:00

Client ID: ST-7-5

%Solid: 92.6

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260		cps		9/8/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260		cps		9/8/2000
1,1-Dichloroethane	< 17	ug/kg	17	54	1	8260		cps		9/8/2000
1,1-Dichloroethene	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260		cps		9/8/2000
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260		cps		9/8/2000
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1	8260		cps		9/8/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
1,2-Dichlorobenzene	< 18	ug/kg	18	57	1	8260		cps		9/8/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260		cps		9/8/2000
1,2-Dichloropropane	< 17	ug/kg	17	54	1	8260		cps		9/8/2000



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652

DATE REPORTED: 09-Sep-00

DATE RECEIVED: 07-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1		8260	cps		9/8/2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
1,3-Dichloropropane	< 21	ug/kg	21	67	1		8260	cps		9/8/2000
1,4-Dichlorobenzene	< 19	ug/kg	19	60	1		8260	cps		9/8/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
4-Chlorotoluene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Benzene	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Bromobenzene	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
Bromodichloromethane	< 21	ug/kg	21	67	1		8260	cps		9/8/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Chlorobenzene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Chloroethane	< 34	ug/kg	34	108	1		8260	cps		9/8/2000
Chloroform	< 13	ug/kg	13	41	1		8260	cps		9/8/2000
Chloromethane	< 27	ug/kg	27	86	1		8260	cps		9/8/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Dibromochloromethane	< 22	ug/kg	22	70	1		8260	cps		9/8/2000
Dichlorodifluoromethane	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Ethylbenzene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1		8260	cps		9/8/2000
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
Isopropylbenzene	< 18	ug/kg	18	57	1		8260	cps		9/8/2000
m&p-xylene	< 29	ug/kg	29	92	1		8260	cps		9/8/2000
Methylene chloride	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
MTBE	< 21	ug/kg	21	67	1		8260	cps		9/8/2000
n-Butylbenzene	< 19	ug/kg	19	60	1		8260	cps		9/8/2000
n-Propylbenzene	< 15	ug/kg	15	48	1		8260	cps		9/8/2000
Naphthalene	< 41	ug/kg	41	130	1		8260	cps		9/8/2000
o-xylene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	cps		9/8/2000
sec-Butylbenzene	< 18	ug/kg	18	57	1		8260	cps		9/8/2000
tert-Butylbenzene	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
Tetrachloroethene	33	ug/kg	17	54	1	J	8260	cps		9/8/2000
Toluene	< 16	ug/kg	16	51	1		8260	cps		9/8/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	cps		9/8/2000
Trichloroethene	357	ug/kg	19	60	1		8260	cps		9/8/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	cps		9/8/2000
Vinyl chloride	< 12	ug/kg	12	38	1		8260	cps		9/8/2000



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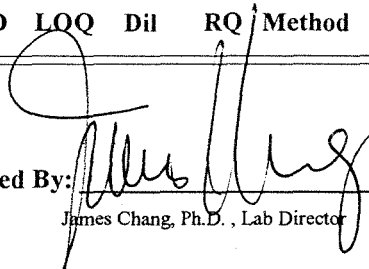
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000652
 DATE REPORTED: 09-Sep-00
 DATE RECEIVED: 07-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
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Approved By:  Date: 9, 9, 00
 James Chang, Ph.D., Lab Director

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

*Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.*

2000657

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
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Project Name: Teunisch
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking:

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil																		
	Soil																		
	Soil																		
	Soil																		
	Soil																		
Solid %	Soil	X																	
TCA, TCE Analysis <u>VOC's</u>	Soil	X	X																
Additional Information:	Collection Time																		
	Collection Date																		
	Sample ID	NT-1-5	Methanol Blank																
	Lab ID	21152	21153																

Relinquished By:	Date/Time	Received By:	Special Instructions:
<u>Todd Miller</u>	<u>12:00 PM 9-11-00</u>	<u>[Signature]</u>	



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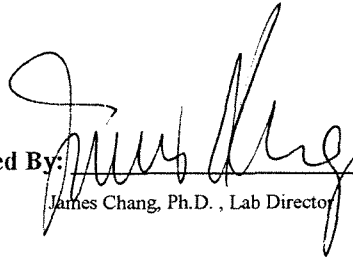
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000657
 DATE REPORTED: 12-Sep-00
 DATE RECEIVED: 12-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21152		QC Prep Batch Number:		Collection: 9/11/2000		Time: 12:00			
Client ID: NT-1-5		Sample Description:							
1,1,1-Trichloroethane	9.4	ug/kg	0.03	0.08	1	8082	cps		/ 9/11/2000
Trichloroethene	458	ug/kg	0.03	0.08	1	8082	cps		/ 9/11/2000
Sample Number: 21153		QC Prep Batch Number:		Collection: 9/11/2000		Time: 12:00			
Client ID: Methanol Blank		Sample Description:							
1,1,1-Trichloroethane	<0.03	ug/kg	0.03	0.08	1	8082	cps		/ 9/11/2000
Trichloroethene	<0.03	ug/kg	0.03	0.08	1	8082	cps		/ 9/11/2000

Approved By:  Date: 9/12/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000657
 DATE REPORTED: 12-Sep-00
 DATE RECEIVED: 12-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21152		QC Batch Number: 995154				Collection: 9/11/2000		Time: 12:00	
Client ID: NT-1-5		%Solid: 93.1		Sample Description:					
1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260	Admin		
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260	Admin		
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	Admin		
1,1-Dichloroethane	< 17	ug/kg	17	54	1	8260	Admin		
1,1-Dichloroethene	< 18	ug/kg	18	57	1	8260	Admin		
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	Admin		
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260	Admin		
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1	8260	Admin		
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	Admin		
1,2-Dichlorobenzene	< 18	ug/kg	18	57	1	8260	Admin		
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	Admin		
1,2-Dichloropropane	< 17	ug/kg	17	54	1	8260	Admin		
1,3,5-Trimethylbenzene	< 18	ug/kg	18	57	1	8260	Admin		
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	Admin		
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260	Admin		
1,4-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	Admin		
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	Admin		
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	Admin		
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260	Admin		
Benzene	< 14	ug/kg	14	45	1	8260	Admin		
Bromobenzene	< 17	ug/kg	17	54	1	8260	Admin		
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	Admin		
Carbon tetrachloride	< 14	ug/kg	14	45	1	8260	Admin		
Chlorobenzene	< 14	ug/kg	14	45	1	8260	Admin		
Chloroethane	< 34	ug/kg	34	108	1	8260	Admin		
Chloroform	< 13	ug/kg	13	41	1	8260	Admin		
Chloromethane	< 26	ug/kg	26	83	1	8260	Admin		
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	Admin		
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	Admin		
Dichlorodifluoromethane	< 14	ug/kg	14	45	1	8260	Admin		
Ethylbenzene	< 14	ug/kg	14	45	1	8260	Admin		
Hexachlorobutadiene	< 22	ug/kg	22	70	1	8260	Admin		
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	Admin		
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	Admin		
m&p-xylene	< 29	ug/kg	29	92	1	8260	Admin		
Methylene chloride	< 16	ug/kg	16	51	1	8260	Admin		
MTBE	< 21	ug/kg	21	67	1	8260	Admin		
n-Butylbenzene	< 19	ug/kg	19	60	1	8260	Admin		



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000657

DATE REPORTED: 12-Sep-00

DATE RECEIVED: 12-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 15	ug/kg	15	48	1	8260		Admin		
Naphthalene	< 41	ug/kg	41	130	1	8260		Admin		
o-xylene	< 13	ug/kg	13	41	1	8260		Admin		
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260		Admin		
sec-Butylbenzene	< 18	ug/kg	18	57	1	8260		Admin		
tert-Butylbenzene	< 16	ug/kg	16	51	1	8260		Admin		
Tetrachloroethene	65	ug/kg	16	51	1	8260		Admin		
Toluene	< 16	ug/kg	16	51	1	8260		Admin		
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260		Admin		
Trichloroethene	528	ug/kg	19	60	1	8260		Admin		
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260		Admin		
Vinyl chloride	< 11	ug/kg	11	35	1	8260		Admin		

APL Sample Number: 21153

QC Batch Number: 995154

Collection: 9/11/2000

Time: 12:00

Client ID: Methanol Blank

%Solid: 100

Sample Description:

1,1,1-Trichloroethane	< 16	ug/kg	16	51	1	8260		Admin		
1,1,1,2-Tetrachloroethane	< 22	ug/kg	22	70	1	8260		Admin		
1,1,2-Trichloroethane	< 22	ug/kg	22	70	1	8260		Admin		
1,1-Dichloroethane	< 16	ug/kg	16	51	1	8260		Admin		
1,1-Dichloroethene	< 17	ug/kg	17	54	1	8260		Admin		
1,2,3-Trichlorobenzene	< 25	ug/kg	25	80	1	8260		Admin		
1,2,4-Trichlorobenzene	< 23	ug/kg	23	73	1	8260		Admin		
1,2,4-Trimethylbenzene	< 15	ug/kg	15	48	1	8260		Admin		
1,2-Dibromo-3-chloropropan	< 17	ug/kg	17	54	1	8260		Admin		
1,2-Dichlorobenzene	< 17	ug/kg	17	54	1	8260		Admin		
1,2-Dichloroethane	< 17	ug/kg	17	54	1	8260		Admin		
1,2-Dichloropropane	< 16	ug/kg	16	51	1	8260		Admin		
1,3,5-Trimethylbenzene	< 17	ug/kg	17	54	1	8260		Admin		
1,3-Dichlorobenzene	< 13	ug/kg	13	41	1	8260		Admin		
1,3-Dichloropropane	< 20	ug/kg	20	64	1	8260		Admin		
1,4-Dichlorobenzene	< 18	ug/kg	18	57	1	8260		Admin		
2,2-Dichloropropane	< 14	ug/kg	14	45	1	8260		Admin		
2-Chlorotoluene	< 15	ug/kg	15	48	1	8260		Admin		
4-Chlorotoluene	< 13	ug/kg	13	41	1	8260		Admin		
Benzene	< 13	ug/kg	13	41	1	8260		Admin		
Bromobenzene	< 16	ug/kg	16	51	1	8260		Admin		
Bromodichloromethane	< 19	ug/kg	19	60	1	8260		Admin		
Carbon tetrachloride	< 13	ug/kg	13	41	1	8260		Admin		
Chlorobenzene	< 13	ug/kg	13	41	1	8260		Admin		
Chloroethane	< 32	ug/kg	32	102	1	8260		Admin		



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000657

DATE REPORTED: 12-Sep-00

DATE RECEIVED: 12-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Chloroform	< 12	ug/kg	12	38	1		8260	Admin		
Chloromethane	< 25	ug/kg	25	80	1		8260	Admin		
cis-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	Admin		
Dibromochloromethane	< 20	ug/kg	20	64	1		8260	Admin		
Dichlorodifluoromethane	< 13	ug/kg	13	41	1		8260	Admin		
Ethylbenzene	< 13	ug/kg	13	41	1		8260	Admin		
Hexachlorobutadiene	< 21	ug/kg	21	67	1		8260	Admin		
Isopropyl Ether	< 15	ug/kg	15	48	1		8260	Admin		
Isopropylbenzene	< 16	ug/kg	16	51	1		8260	Admin		
m&p-xylene	< 27	ug/kg	27	86	1		8260	Admin		
Methylene chloride	< 15	ug/kg	15	48	1		8260	Admin		
MTBE	< 20	ug/kg	20	64	1		8260	Admin		
n-Butylbenzene	< 18	ug/kg	18	57	1		8260	Admin		
n-Propylbenzene	< 14	ug/kg	14	45	1		8260	Admin		
Naphthalene	< 38	ug/kg	38	121	1		8260	Admin		
o-xylene	< 13	ug/kg	13	41	1		8260	Admin		
p-Isopropyltoluene	< 16	ug/kg	16	51	1		8260	Admin		
sec-Butylbenzene	< 17	ug/kg	17	54	1		8260	Admin		
tert-Butylbenzene	< 15	ug/kg	15	48	1		8260	Admin		
Tetrachloroethene	35	ug/kg	15	48	1	J	8260	Admin		
Toluene	28	ug/kg	15	48	1	J	8260	Admin		
trans-1,2-Dichloroethene	< 13	ug/kg	13	41	1		8260	Admin		
Trichloroethene	< 17	ug/kg	17	54	1		8260	Admin		
Trichlorofluoromethane	< 12	ug/kg	12	38	1		8260	Admin		
Vinyl chloride	< 11	ug/kg	11	35	1		8260	Admin		



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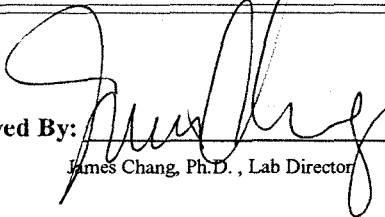
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000657
 DATE REPORTED: 12-Sep-00
 DATE RECEIVED: 12-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
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Approved By: 

James Chang, Ph.D., Lab Director

Date: 9/12/00

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

*Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.*

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223

Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Teumseh

Project ID: 1007010

Project Manager: Larry Wehrheim

Company: Key Engineering Group, LTD.

Address: W66 N215 Commerce Court

City/State/Zip: Cedarburg, WI 53012

Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
- Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	
	Soil	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	
	Soil	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	
	Soil	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	
	Soil	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	
Solid %	Soil	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	
TCA, TCE Analysis	Soil	XX																	
Additional Information:	Collection Time																		
	Collection Date	9/14/00	9/14/00																
	Sample ID	S-2-1	S-2-2																
	Lab ID	21214	21215																

Relinquished By: <u>Larry Wehrheim</u>	Date/Time: <u>9/14/00</u> <u>(6:30)</u>	Received By: <u>[Signature]</u>	Special Instructions:
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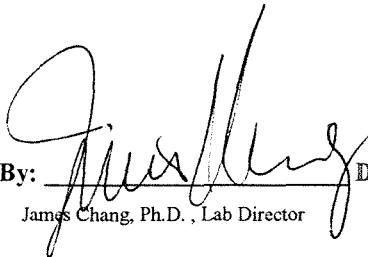
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000676
 DATE REPORTED: 18-Sep-00
 DATE RECEIVED: 14-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21214		QC Prep Batch Number:		Collection: 9/14/2000		Time: 12:00			
Client ID: S-2-1		Sample Description:							
1,1,1-Trichloroethane	31	ug/kg	0.03	0.08	1		8082	cps	/ 9/14/2000
Trichloroethene	<0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/14/2000
Sample Number: 21215		QC Prep Batch Number:		Collection: 9/14/2000		Time: 12:00			
Client ID: S-2-2		Sample Description:							
1,1,1-Trichloroethane	486	ug/kg	0.03	0.08	1		8082	cps	/ 9/14/2000
Trichloroethene	<0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/14/2000

Approved By:  Date: 9/18/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 $LOQ = 10 (S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 $LOD = 3.143 (S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
 Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000676
 DATE REPORTED: 19-Sep-00
 DATE RECEIVED: 14-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 21214 Percent Solid: 86.2% QC Batch Number: 995209 Sample analyzed within 4 Day(s) from collection.										
Client ID: S-2-1 Sample Description: Collection: 9/14/2000 Time: 12:00										
1,1,1-Trichloroethane	51	ug/kg	25	60	16	1.0	J	8260	cps	9/18/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/18/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/18/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	9/18/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	9/18/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/18/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/18/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	9/18/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	9/18/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	9/18/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	9/18/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	9/18/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/18/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/18/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	9/18/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	9/18/2000
Methylene chloride	309	ug/kg	25	60	15	1.0	B	8260	cps	9/18/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	9/18/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/18/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by these terms and conditions set forth herein.



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 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000676
 DATE REPORTED: 19-Sep-00
 DATE RECEIVED: 14-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/18/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	9/18/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	9/18/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	9/18/2000

Sample Number: 21215	Percent Solid: 80.6%	QC Batch Number: 995209	Sample analyzed within 4 Day(s) from collection.							
Client ID: S-2-2	Sample Description:		Collection: 9/14/2000 Time: 12:00							
1,1,1-Trichloroethane	702	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/18/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/18/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	9/18/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	9/18/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/18/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/18/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	9/18/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Benzene	113	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	9/18/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000676
 DATE REPORTED: 19-Sep-00
 DATE RECEIVED: 14-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	9/18/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	9/18/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	9/18/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/18/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/18/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	9/18/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	9/18/2000
Methylene chloride	125	ug/kg	25	60	15	1.0	B	8260	cps	9/18/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	9/18/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/18/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/18/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	9/18/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/18/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/18/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/18/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/18/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	9/18/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	9/18/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

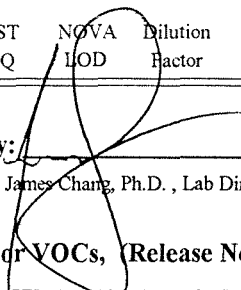
ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000676
 DATE REPORTED: 19-Sep-00
 DATE RECEIVED: 14-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
----------	-------------	-------	----------	----------	----------	-----------------	----	--------	---------	------------------

Approved By: 

James Chang, Ph.D., Lab Director

Date: 

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ: Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g. "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

*** According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.**

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL Environmental

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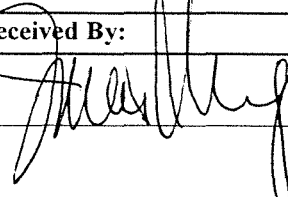
Project Name: <i>Toxumsc 2</i>
Project ID: <i>1007010</i>

Project Manager:	Larry Wehrheim
Company:	Key Engineering Group, LTD.
Address:	W66 N215 Commerce Court
City/State/Zip:	Cedarburg, WI 53012
Phone:	Fax:
(262)-375-4750	(262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

A. HCl E. Methanol 200008014
 B. HNO3 F. Filtered Preservation /
 C. NaOH G. None Filtration Code
 D. H2SO4 H. Others

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#	
	Soil																			
	Soil																			
	Soil																			
	Soil																			
	Soil																			
Solid %	Soil																			
TCA, TCE Analysis <i>by ECD</i>	Soil	X																		
Additional Information:	Collection Time																			20000677
Run 5-2-3 5-2-4 on 8260 if TCA is less than 1 ppm 	Collection Date																			
	Sample ID	ST-1-00	ST-2-00	ST-7-00	ST-8-00	S-2-3	S-2-4	Methane/blank	ST-3-00	ST-6-00										
	Lab ID	21216	21217	21218	21219	21220	21221	21222	21223	21224										

Relinquished By:	Date/Time	Received By:	Special Instructions:
<i>Todd Miller</i>	9-15-00 (11:25)		



8222 W. Calumet Rd., Milwaukee, WI 53223
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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000677
 DATE REPORTED: 18-Sep-00
 DATE RECEIVED: 15-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumescus

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21216									
Client ID: ST-1-00									
QC Prep Batch Number:			Collection: 9/15/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	36	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Sample Number: 21217									
Client ID: ST-2-00									
QC Prep Batch Number:			Collection: 9/15/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	1120	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Trichloroethene	25	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Sample Number: 21218									
Client ID: ST-7-00									
QC Prep Batch Number:			Collection: 9/15/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	678	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Sample Number: 21219									
Client ID: ST-8-00									
QC Prep Batch Number:			Collection: 9/15/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	68	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Sample Number: 21220									
Client ID: S-2-3									
QC Prep Batch Number:			Collection: 9/15/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	10700	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Trichloroethene	56	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Sample Number: 21221									
Client ID: S-2-4									
QC Prep Batch Number:			Collection: 9/15/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	617	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Trichloroethene	29	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Sample Number: 21222									
Client ID: MeOH Blank									
QC Prep Batch Number:			Collection: 9/15/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 9/15/2000



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ORGANIC REPORT

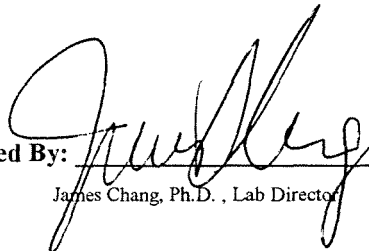
WDNR# 241340550

BATCH NUMBER: 2000677
 DATE REPORTED: 18-Sep-00
 DATE RECEIVED: 15-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumesch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Sample Number: 21223	QC Prep Batch Number:	Collection: 9/15/2000	Time:			
Client ID: ST-3-00	Sample Description:					
1,1,1-Trichloroethane	937	ug/kg	0.03 0.08 1	8082	cps	/ 9/15/2000
Trichloroethene	19	ug/kg	0.03 0.08 1	8082	cps	/ 9/15/2000

Sample Number: 21224	QC Prep Batch Number:	Collection: 9/15/2000	Time:			
Client ID: ST-6-00	Sample Description:					
1,1,1-Trichloroethane	393	ug/kg	0.03 0.08 1	8082	cps	/ 9/15/2000
Trichloroethene	47	ug/kg	0.03 0.08 1	8082	cps	/ 9/15/2000

Approved By:  Date: 9/18/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



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 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000677
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 15-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumesch

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21221		QC Batch Number: 995209		Collection: 9/15/2000		Time:			
Client ID: S-2-4		%Solid: 74		Sample Description:					
1,1,1-Trichloroethane	975	ug/kg	21	67	1	8260	cps	9/18/2000	
1,1,2,2-Tetrachloroethane	< 30	ug/kg	30	95	1	8260	cps	9/18/2000	
1,1,2-Trichloroethane	< 30	ug/kg	30	95	1	8260	cps	9/18/2000	
1,1-Dichloroethane	< 22	ug/kg	22	70	1	8260	cps	9/18/2000	
1,1-Dichloroethene	< 23	ug/kg	23	73	1	8260	cps	9/18/2000	
1,2,3-Trichlorobenzene	< 34	ug/kg	34	108	1	8260	cps	9/18/2000	
1,2,4-Trichlorobenzene	< 32	ug/kg	32	102	1	8260	cps	9/18/2000	
1,2,4-Trimethylbenzene	< 20	ug/kg	20	64	1	8260	cps	9/18/2000	
1,2-Dibromo-3-chloropropan	< 22	ug/kg	22	70	1	8260	cps	9/18/2000	
1,2-Dichlorobenzene	< 23	ug/kg	23	73	1	8260	cps	9/18/2000	
1,2-Dichloroethane	< 23	ug/kg	23	73	1	8260	cps	9/18/2000	
1,2-Dichloropropane	< 22	ug/kg	22	70	1	8260	cps	9/18/2000	
1,3,5-Trimethylbenzene	< 23	ug/kg	23	73	1	8260	cps	9/18/2000	
1,3-Dichlorobenzene	< 18	ug/kg	18	57	1	8260	cps	9/18/2000	
1,3-Dichloropropane	< 26	ug/kg	26	83	1	8260	cps	9/18/2000	
1,4-Dichlorobenzene	< 24	ug/kg	24	76	1	8260	cps	9/18/2000	
2,2-Dichloropropane	< 19	ug/kg	19	60	1	8260	cps	9/18/2000	
2-Chlorotoluene	< 20	ug/kg	20	64	1	8260	cps	9/18/2000	
4-Chlorotoluene	< 18	ug/kg	18	57	1	8260	cps	9/18/2000	
Benzene	< 18	ug/kg	18	57	1	8260	cps	9/18/2000	
Bromobenzene	< 21	ug/kg	21	67	1	8260	cps	9/18/2000	
Bromodichloromethane	< 26	ug/kg	26	83	1	8260	cps	9/18/2000	
Carbon tetrachloride	< 18	ug/kg	18	57	1	8260	cps	9/18/2000	
Chlorobenzene	< 18	ug/kg	18	57	1	8260	cps	9/18/2000	
Chloroethane	< 43	ug/kg	43	137	1	8260	cps	9/18/2000	
Chloroform	< 16	ug/kg	16	51	1	8260	cps	9/18/2000	
Chloromethane	< 33	ug/kg	33	105	1	8260	cps	9/18/2000	
cis-1,2-Dichloroethene	< 18	ug/kg	18	57	1	8260	cps	9/18/2000	
Dibromochloromethane	< 28	ug/kg	28	89	1	8260	cps	9/18/2000	
Dichlorodifluoromethane	< 18	ug/kg	18	57	1	8260	cps	9/18/2000	
Ethylbenzene	< 17	ug/kg	17	54	1	8260	cps	9/18/2000	
Hexachlorobutadiene	< 28	ug/kg	28	89	1	8260	cps	9/18/2000	
Isopropyl Ether	< 20	ug/kg	20	64	1	8260	cps	9/18/2000	
Isopropylbenzene	< 22	ug/kg	22	70	1	8260	cps	9/18/2000	
m&p-xylene	< 36	ug/kg	36	115	1	8260	cps	9/18/2000	
Methylene chloride	< 20	ug/kg	20	64	1	B 8260	cps	9/18/2000	
MTBE	< 26	ug/kg	26	83	1	8260	cps	9/18/2000	
n-Butylbenzene	< 24	ug/kg	24	76	1	8260	cps	9/18/2000	

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000677

DATE REPORTED: 20-Sep-00

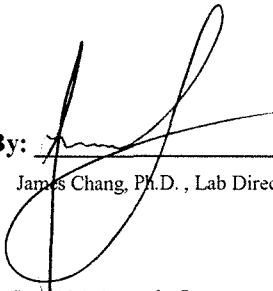
DATE RECEIVED: 15-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumesch

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 19	ug/kg	19	60	1		8260	cps		9/18/2000
Naphthalene	< 51	ug/kg	51	162	1		8260	cps		9/18/2000
o-xylene	< 17	ug/kg	17	54	1		8260	cps		9/18/2000
p-Isopropyltoluene	< 21	ug/kg	21	67	1		8260	cps		9/18/2000
sec-Butylbenzene	< 23	ug/kg	23	73	1		8260	cps		9/18/2000
tert-Butylbenzene	< 20	ug/kg	20	64	1		8260	cps		9/18/2000
Tetrachloroethene	< 21	ug/kg	21	67	1		8260	cps		9/18/2000
Toluene	< 20	ug/kg	20	64	1		8260	cps		9/18/2000
trans-1,2-Dichloroethene	< 17	ug/kg	17	54	1		8260	cps		9/18/2000
Trichloroethene	43	ug/kg	23	73	1	J	8260	cps		9/18/2000
Trichlorofluoromethane	< 16	ug/kg	16	51	1		8260	cps		9/18/2000
Vinyl chloride	< 14	ug/kg	14	45	1		8260	cps		9/18/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ: Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Teconseh
 Project ID: 1007610

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil																		
	Soil																		
	Soil																		
	Soil																		
	Soil																		
Solid %	Soil																		
TCA, TCE Analysis <u>GC/MS</u>	Soil		X	X	X	X													
Additional Information:	Collection Time																		
	Collection Date		9/8/00																
	Sample ID		ST-3A-1	ST-2A-1	ST-8A-1	ST-6A-1	Blank												
	Lab ID		21307	21308	21309	21310	21311												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Relinquished By:	Date/Time	Received By:
<u>Hehrman</u>	<u>9/8/00</u> <u>14:35</u>	<u>Muller</u>

Special Instructions: 20000689



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000689
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 18-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007610
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 21307 Percent Solid: 91.8% QC Batch Number: 995225 Sample analyzed within 1 Day(s) from collection.										
Client ID: ST-3A-1 Sample Description: Collection: 9/18/2000 Time:										
1,1,1-Trichloroethane	443	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/19/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/19/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	9/19/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	9/19/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/19/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	9/19/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	9/19/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	9/19/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	9/19/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	9/19/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	9/19/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/19/2000

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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000689
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 18-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007610
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	9/19/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	9/19/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	9/19/2000

Sample Number	Percent Solid	QC Batch Number	Sample analyzed within							
21308	90.2%	995225	1 Day(s) from collection.							
Client ID	Sample Description	Collection	Time							
ST-2A-1		9/18/2000								
1,1,1-Trichloroethane	836 ug/kg	25	60	16	1.0		8260	cps	9/19/2000	
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/19/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/19/2000
1,1-Dichloroethane	34	ug/kg	25	60	16	1.0	J	8260	cps	9/19/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	9/19/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	9/19/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/19/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	9/19/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000689
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 18-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007610
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	9/19/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	9/19/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	9/19/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	9/19/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	9/19/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/19/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	9/19/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Trichloroethene	32	ug/kg	25	60	17	1.0	J	8260	cps	9/19/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	9/19/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	9/19/2000

Sample Number: 21309 Percent Solid: 87.3 % QC Batch Number: 995225 Sample analyzed within 1 Day(s) from collection.

Client ID: ST-8A-1 Sample Description: Collection: 9/18/2000 Time:

1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/19/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/19/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	9/19/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	9/19/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000

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Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000689
DATE REPORTED: 20-Sep-00
DATE RECEIVED: 18-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007610
PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/19/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	9/19/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	9/19/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	9/19/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	9/19/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	9/19/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	9/19/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/19/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	9/19/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Tetrachloroethene	30	ug/kg	25	60	15	1.0	J	8260	cps	9/19/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	9/19/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	9/19/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000689
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 18-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007610
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 21310 Percent Solid: 87.5% QC Batch Number: 995225 Sample analyzed within: 1 Day(s) from collection. Client ID: ST-6A-1 Sample Description: Collection: 9/18/2000 Time:										
1,1,1-Trichloroethane	109	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/19/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/19/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	9/19/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	9/19/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/19/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	9/19/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	9/19/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	9/19/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	9/19/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	9/19/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	9/19/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000689
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 18-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007610
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/19/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	9/19/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	9/19/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	9/19/2000

Sample Number: 21311	Percent Solid: 100%	QC Batch Number: 993225	Sample analyzed within 1 Day(s) from collection.							
Client ID: Blank	Sample Description:		Collection: 9/18/2000				Time:			
1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0	8260	cps	9/19/2000	
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0	8260	cps	9/19/2000	
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0	8260	cps	9/19/2000	
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0	8260	cps	9/19/2000	
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0	8260	cps	9/19/2000	
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0	8260	cps	9/19/2000	
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0	8260	cps	9/19/2000	
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0	8260	cps	9/19/2000	
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0	8260	cps	9/19/2000	
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0	8260	cps	9/19/2000	
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0	8260	cps	9/19/2000	
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0	8260	cps	9/19/2000	
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0	8260	cps	9/19/2000	
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0	8260	cps	9/19/2000	
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0	8260	cps	9/19/2000	
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0	8260	cps	9/19/2000	
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0	8260	cps	9/19/2000	
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0	8260	cps	9/19/2000	
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0	8260	cps	9/19/2000	
Benzene	<25*	ug/kg	25	60	13	1.0	8260	cps	9/19/2000	
Bromobenzene	<25*	ug/kg	25	60	16	1.0	8260	cps	9/19/2000	
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0	8260	cps	9/19/2000	

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by the terms and conditions set forth herein.



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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000689
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 18-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007610
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	9/19/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	9/19/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	9/19/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	9/19/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	9/19/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	9/19/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/19/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/19/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	9/19/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/19/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/19/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/19/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/19/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	9/19/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	9/19/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

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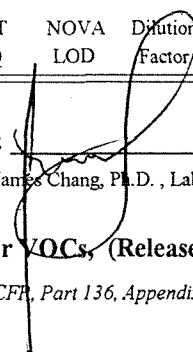
ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000689
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 18-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007610
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of
										Analysis

Approved By: 

James Chang, Ph.D., Lab Director

Date: 9/20/00

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g. "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

*** According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.**

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL Environmental

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Project Name: Tecumseh
 Project ID: 100701G

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required

Matrix

	Soil																	
	Soil																	
	Soil																	
	Soil																	
	Soil																	
Solid %	Soil																	
TCA, TCE Analysis <i>by ECD</i>	Soil																	

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
	9-15-00	S-3-1	21244	
		S-3-2	21245	
		S-3-3	21246	
	3:10pm	S-3-4	21247	
		NT-1-00	21248	
		NT-2-00	21249	
		NT-3-00	21250	
		NT-6-00	21251	
		NT-7-00	21252	
		NT-8-00	21253	
		Methanol Blank	21254	
	3:30	S-3-5	21255	

Relinquished By: Todd Miller Date/Time: 9/15/00 17:00
 Received By: [Signature]

Special Instructions: 20000680



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000680
 DATE REPORTED: 19-Sep-00
 DATE RECEIVED: 15-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21244		QC Batch Number:				Collection: 9/15/2000		Time: 14:10	
Client ID: S-3-1		%Solid: 100		Sample Description:					
1,1,1-Trichloroethane	266	ug/kg	0.03	0	1	8082	cps	9/18/2000	
Trichloroethene	1260	ug/kg	0.03	0	1	8082	cps	9/18/2000	
APL Sample Number: 21245		QC Batch Number:				Collection: 9/15/2000		Time: 14:10	
Client ID: S-3-2		%Solid: 100		Sample Description:					
1,1,1-Trichloroethane	3430	ug/kg	0.03	0	1	8082	cps	9/18/2000	
Trichloroethene	# 11400	ug/kg	0.03	0	1	8082	cps	9/18/2000	
APL Sample Number: 21246		QC Batch Number:				Collection: 9/15/2000		Time: 14:10	
Client ID: S-3-3		%Solid: 100		Sample Description:					
1,1,1-Trichloroethane	765	ug/kg	0.03	0	1	8082	cps	9/18/2000	
Trichloroethene	1280	ug/kg	0.03	0	1	8082	cps	9/18/2000	
APL Sample Number: 21247		QC Batch Number:				Collection: 9/15/2000		Time: 15:10	
Client ID: S-3-4		%Solid: 100		Sample Description:					
1,1,1-Trichloroethane	13	ug/kg	0.03	0	1	8082	cps	9/18/2000	
Trichloroethene	4890	ug/kg	0.03	0	1	8082	cps	9/18/2000	
APL Sample Number: 21248		QC Batch Number:				Collection: 9/15/2000		Time: 15:10	
Client ID: NT-1-00		%Solid: 100		Sample Description:					
1,1,1-Trichloroethane	1520	ug/kg	0.03	0	1	8082	cps	9/18/2000	
Trichloroethene	4500	ug/kg	0.03	0	1	8082	cps	9/18/2000	
APL Sample Number: 21249		QC Batch Number:				Collection: 9/15/2000		Time: 15:10	
Client ID: NT-2-00		%Solid: 100		Sample Description:					
1,1,1-Trichloroethane	954	ug/kg	0.03	0	1	8082	cps	9/18/2000	
Trichloroethene	# 24000	ug/kg	0.03	0	1	8082	cps	9/18/2000	
APL Sample Number: 21250		QC Batch Number:				Collection: 9/15/2000		Time: 15:10	
Client ID: NT-3-00		%Solid: 100		Sample Description:					
1,1,1-Trichloroethane	14	ug/kg	0.03	0	1	8082	cps	9/18/2000	
Trichloroethene	1820	ug/kg	0.03	0	1	8082	cps	9/18/2000	
APL Sample Number: 21251		QC Batch Number:				Collection: 9/15/2000		Time: 15:10	
Client ID: NT-6-00		%Solid: 100		Sample Description:					
1,1,1-Trichloroethane	25	ug/kg	0.03	0	1	8082	cps	9/18/2000	



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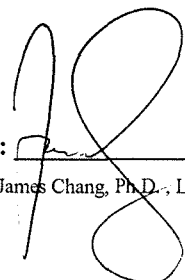
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000680
 DATE REPORTED: 19-Sep-00
 DATE RECEIVED: 15-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Trichloroethene	842	ug/kg	0.03	0	1		8082	cps		9/18/2000
APL Sample Number: 21252		QC Batch Number:				Collection: 9/15/2000		Time: 15:10		
Client ID: NT-7-00		%Solid: 100				Sample Description:				
1,1,1-Trichloroethane	160	ug/kg	0.03	0	1		8082	cps		9/18/2000
Trichloroethene	# 7740	ug/kg	0.03	0	1		8082	cps		9/18/2000
APL Sample Number: 21253		QC Batch Number:				Collection: 9/15/2000		Time: 15:10		
Client ID: NT-8-00		%Solid: 100				Sample Description:				
1,1,1-Trichloroethane	168	ug/kg	0.03	0	1		8082	cps		9/18/2000
Trichloroethene	653	ug/kg	0.03	0	1		8082	cps		9/18/2000
APL Sample Number: 21254		QC Batch Number:				Collection: 9/15/2000		Time:		
Client ID: Methanol blank		%Solid: 100				Sample Description:				
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0	1		8082	cps		9/18/2000
Trichloroethene	< 0.03	ug/kg	0.03	0	1		8082	cps		9/18/2000
APL Sample Number: 21255		QC Batch Number:				Collection: 9/15/2000		Time: 15:30		
Client ID: S-3-5		%Solid: 100				Sample Description:				
1,1,1-Trichloroethane	230	ug/kg	0.03	0	1		8082	cps		9/18/2000
Trichloroethene	290	ug/kg	0.03	0	1		8082	cps		9/18/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 9/21/00

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ: Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000680
 DATE REPORTED: 05-Oct-00
 DATE RECEIVED: 15-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21244		QC Batch Number: 995327				Collection: 9/15/2000	Time: 14:10		
Client ID: S-3-1		%Solid: 88.5		Sample Description:					
1,1,1-Trichloroethane	359	ug/kg	18	57	1	8260	cps		10/2/2000
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	80	1	8260	cps		10/2/2000
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	cps		10/2/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	cps		10/2/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,2,3-Trichlorobenzene	< 28	ug/kg	28	89	1	8260	cps		10/2/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	cps		10/2/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,2-Dichloroethane	< 20	ug/kg	20	64	1	8260	cps		10/2/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps		10/2/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
1,3-Dichloropropane	< 22	ug/kg	22	70	1	8260	cps		10/2/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	cps		10/2/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
2-Chlorotoluene	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Benzene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Bromobenzene	< 18	ug/kg	18	57	1	8260	cps		10/2/2000
Bromodichloromethane	< 22	ug/kg	22	70	1	8260	cps		10/2/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Chlorobenzene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Chloroethane	< 36	ug/kg	36	115	1	8260	cps		10/2/2000
Chloroform	< 14	ug/kg	14	45	1	8260	cps		10/2/2000
Chloromethane	< 28	ug/kg	28	89	1	8260	cps		10/2/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Dibromochloromethane	< 23	ug/kg	23	73	1	8260	cps		10/2/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps		10/2/2000
Hexachlorobutadiene	< 24	ug/kg	24	76	1	8260	cps		10/2/2000
Isopropyl Ether	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
Isopropylbenzene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
m&p-xylene	< 30	ug/kg	30	95	1	8260	cps		10/2/2000
Methylene chloride	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
MTBE	< 22	ug/kg	22	70	1	8260	cps		10/2/2000
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	cps		10/2/2000



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000680

DATE REPORTED: 05-Oct-00

DATE RECEIVED: 15-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 16	ug/kg	16	51	1	8260	cps		10/2/2000
Naphthalene	< 43	ug/kg	43	137	1	8260	cps		10/2/2000
o-xylene	< 14	ug/kg	14	45	1	8260	cps		10/2/2000
p-Isopropyltoluene	< 18	ug/kg	18	57	1	8260	cps		10/2/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
Tetrachloroethene	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
Toluene	< 16	ug/kg	16	51	1	8260	cps		10/2/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	cps		10/2/2000
Trichloroethene	1480	ug/kg	19	60	1	8260	cps		10/2/2000
Trichlorofluoromethane	< 14	ug/kg	14	45	1	8260	cps		10/2/2000
Vinyl chloride	< 12	ug/kg	12	38	1	8260	cps		10/2/2000

APL Sample Number: 21255

QC Batch Number: 995327

Collection: 9/15/2000

Time: 15:30

Client ID: S-3-5

%Solid: 89.5

Sample Description:

1,1,1-Trichloroethane	148	ug/kg	17	54	1	8260	cps		10/2/2000
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	80	1	8260	cps		10/2/2000
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	cps		10/2/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	cps		10/2/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,2,3-Trichlorobenzene	< 28	ug/kg	28	89	1	8260	cps		10/2/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	cps		10/2/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps		10/2/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
1,3-Dichloropropane	< 22	ug/kg	22	70	1	8260	cps		10/2/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	cps		10/2/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
2-Chlorotoluene	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Benzene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Bromobenzene	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	cps		10/2/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Chlorobenzene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Chloroethane	< 36	ug/kg	36	115	1	8260	cps		10/2/2000



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Larry Wehrheim
Key Engineering Group, LTD.
W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000680

DATE REPORTED: 05-Oct-00

DATE RECEIVED: 15-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Chloroform	< 14	ug/kg	14	45	1		8260	cps		10/2/2000
Chloromethane	< 28	ug/kg	28	89	1		8260	cps		10/2/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	cps		10/2/2000
Dibromochloromethane	< 23	ug/kg	23	73	1		8260	cps		10/2/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1		8260	cps		10/2/2000
Ethylbenzene	< 14	ug/kg	14	45	1		8260	cps		10/2/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1		8260	cps		10/2/2000
Isopropyl Ether	< 17	ug/kg	17	54	1		8260	cps		10/2/2000
Isopropylbenzene	< 18	ug/kg	18	57	1		8260	cps		10/2/2000
m&p-xylene	< 30	ug/kg	30	95	1		8260	cps		10/2/2000
Methylene chloride	< 17	ug/kg	17	54	1		8260	cps		10/2/2000
MTBE	< 22	ug/kg	22	70	1		8260	cps		10/2/2000
n-Butylbenzene	< 20	ug/kg	20	64	1		8260	cps		10/2/2000
n-Propylbenzene	< 16	ug/kg	16	51	1		8260	cps		10/2/2000
Naphthalene	< 42	ug/kg	42	134	1		8260	cps		10/2/2000
o-xylene	< 14	ug/kg	14	45	1		8260	cps		10/2/2000
p-Isopropyltoluene	< 18	ug/kg	18	57	1		8260	cps		10/2/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	cps		10/2/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	cps		10/2/2000
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	cps		10/2/2000
Toluene	< 16	ug/kg	16	51	1		8260	cps		10/2/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	cps		10/2/2000
Trichloroethene	240	ug/kg	19	60	1		8260	cps		10/2/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	cps		10/2/2000
Vinyl chloride	< 12	ug/kg	12	38	1		8260	cps		10/2/2000



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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000680

DATE REPORTED: 05-Oct-00

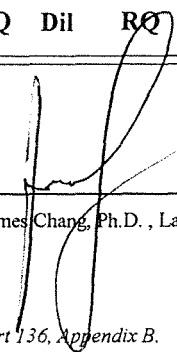
DATE RECEIVED: 15-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
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Approved By: 

James Chang, Ph.D., Lab Director

Date: 10/5/00

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ: Run Qualifier: "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

*Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.*

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Tecumseh
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking:

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil																		
	Soil																		
	Soil																		
	Soil																		
	Soil																		
Solid %	Soil																		
TCA, TCE Analysis <u>by ECID</u>	Soil																		
Additional Information:	Collection Time																		
	Collection Date																		
	Sample ID																		
	Lab ID																		

Collection Time: 9-19-00 10:15 AM
 Collection Date: 9-19-00
 Sample ID: 5-3-6 methane / Blank
 Lab ID: 21334
21335
 COC#: 20000694

Relinquished By:	Date/Time	Received By:	Special Instructions:
<u>Todd M. [Signature]</u>	<u>11:20 AM</u> <u>9-19-00</u>	<u>[Signature]</u>	



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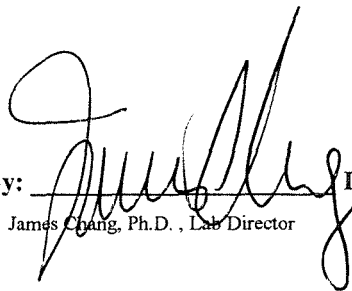
ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000694
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 19-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21334		QC Prep Batch Number:					Collection: 9/19/2000		Time: 10:15
Client ID: S-3-6							Sample Description:		
1,1,1-Trichloroethane	6.9	ug/kg	0.03	0.08	1		8082 cps		/ 9/19/2000
Trichloroethene	16	ug/kg	0.03	0.08	1		8082 cps		/ 9/19/2000

Sample Number: 21335		QC Prep Batch Number:					Collection: 9/19/2000		Time:
Client ID: Methanol Blank							Sample Description:		
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082 cps		/ 9/19/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082 cps		/ 9/19/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 9, 20, 00

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000694
 DATE REPORTED: 26-Sep-00
 DATE RECEIVED: 19-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 21334 Percent Solid: 90.2% QC Batch Number: 995274 Sample analyzed within 6 Day(s) from collection.										
Client ID: S-3-6 Sample Description: Collection: 9/19/2000 Time: 10:15										
1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/25/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/25/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	9/25/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	9/25/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/25/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/25/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	9/25/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	9/25/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	9/25/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	9/25/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	9/25/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/25/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/25/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	9/25/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	9/25/2000
Methylene chloride	307	ug/kg	25	60	15	1.0	B	8260	cps	9/25/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	9/25/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/25/2000

* According to LUST Release News, October 1994 Volume 4, Number 5; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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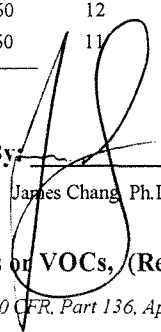
ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000694
DATE REPORTED: 26-Sep-00
DATE RECEIVED: 19-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/25/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	9/25/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Trichloroethene	35	ug/kg	25	60	17	1.0	J	8260	cps	9/25/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	9/25/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	9/25/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 9/13/00

* Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223

Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Team 52

Project ID: 1007010

Project Manager: Larry Wehrheim

Company: Key Engineering Group, LTD.

Address: W66 N215 Commerce Court

City/State/Zip: Cedarburg, WI 53012

Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
Preservation / Filtration Code

Test Required

Matrix

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
Soil	Soil																		
Soil	Soil																		
Soil	Soil																		
Soil	Soil																		
Soil	Soil																		
Solid %	Soil																		
TCA, TCE Analysis <i>by ECD</i>	Soil	X	X	X	X	X	X	X											
Additional Information:	Collection Time	9-19-00 3:15																	
	Collection Date	9-19-00																	
	Sample ID	NT-1-1	NT-2-1	NT-3-1	NT-4-1	NT-5-1	NT-7-1	methanol blank											
	Lab ID	21349	21350	21351	21352	21353	21354	21355											

Relinquished By: <u>Toled</u>	Date/Time: <u>3:55 p.m. 9-19-00</u>	Received By: <u>[Signature]</u>	Special Instructions: <u>20000697</u>
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Larry Wehrheim
 Key Engineering Group, LTD.
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000697
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 19-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21349		QC Prep Batch Number:			Collection: 9/19/2000		Time: 15:15		
Client ID: NT-1-1		Sample Description:							
1,1,1-Trichloroethane	122	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Trichloroethene	1150	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Sample Number: 21350		QC Prep Batch Number:			Collection: 9/19/2000		Time: 15:15		
Client ID: NT-2-1		Sample Description:							
1,1,1-Trichloroethane	52	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Trichloroethene	588	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Sample Number: 21351		QC Prep Batch Number:			Collection: 9/19/2000		Time: 15:15		
Client ID: NT-3-1		Sample Description:							
1,1,1-Trichloroethane	14	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Trichloroethene	276	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Sample Number: 21352		QC Prep Batch Number:			Collection: 9/19/2000		Time: 15:15		
Client ID: NT-4-1		Sample Description:							
1,1,1-Trichloroethane	8.0	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Trichloroethene	371	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Sample Number: 21353		QC Prep Batch Number:			Collection: 9/19/2000		Time: 15:15		
Client ID: NT-5-1		Sample Description:							
1,1,1-Trichloroethane	6.4	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Trichloroethene	308	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Sample Number: 21354		QC Prep Batch Number:			Collection: 9/19/2000		Time: 15:15		
Client ID: NT-7-1		Sample Description:							
1,1,1-Trichloroethane	136	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Trichloroethene	1090	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Sample Number: 21355		QC Prep Batch Number:			Collection: 9/19/2000		Time:		
Client ID: Methanol Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		9/19/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		9/19/2000



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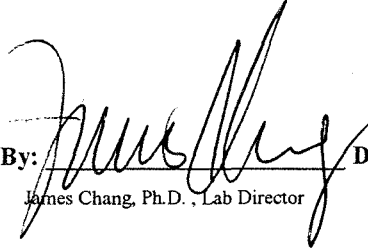
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 2000697
 DATE REPORTED: 20-Sep-00
 DATE RECEIVED: 19-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By: 

James Chang, Ph.D., Lab Director

Date: 9/20/00

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

20000700

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Teamse
 Project ID:

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	Preservation / Filtration Code																		
	Soil																			
	Soil																			
	Soil																			
	Soil																			
	Soil																			
Solid %	Soil																			
TCA, TCE Analysis <u>FCD</u>	Soil	X	X	X	X	X	X	X												

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
	9-21-00	S-3-7	21366	
	9-21-00 3:10	NT-1A-2	21367	
		NT-7A-2	21368	
		ST-1B-0	21369	
		ST-2B-0	21370	
		ST-7B-0	21371	
		ST-8B-0	21372	
		Blank	21373	

Relinquished By: <u>Larry Wehrheim</u>	Date/Time: <u>9/21/00</u>	Received By: <u>[Signature]</u>	Special Instructions:
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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000700

DATE REPORTED: 25-Sep-00

DATE RECEIVED: 21-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID:

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21366		QC Batch Number:				Collection: 9/21/2000		Time: 15:10	
Client ID: S-3-7		%Solid: 100				Sample Description:			
1,1,1-Trichloroethane	1380	ug/kg	0.03	0	1	8082	cps		9/22/2000
Trichloroethene	43	ug/kg	0.03	0	1	8082	cps		9/22/2000
APL Sample Number: 21367		QC Batch Number:				Collection: 9/21/2000		Time: 15:10	
Client ID: NT-1A-2		%Solid: 100				Sample Description:			
1,1,1-Trichloroethane	99	ug/kg	0.03	0	1	8082	cps		9/22/2000
Trichloroethene	700	ug/kg	0.03	0	1	8082	cps		9/22/2000
APL Sample Number: 21368		QC Batch Number:				Collection: 9/21/2000		Time: 15:10	
Client ID: NT-7A-2		%Solid: 100				Sample Description:			
1,1,1-Trichloroethane	107	ug/kg	0.03	0	1	8082	cps		9/22/2000
Trichloroethene	1070	ug/kg	0.03	0	1	8082	cps		9/22/2000
APL Sample Number: 21369		QC Batch Number:				Collection: 9/21/2000		Time: 15:10	
Client ID: ST-1B-0		%Solid: 100				Sample Description:			
1,1,1-Trichloroethane	429	ug/kg	0.03	0	1	8082	cps		9/22/2000
Trichloroethene	284	ug/kg	0.03	0	1	8082	cps		9/22/2000
APL Sample Number: 21370		QC Batch Number:				Collection: 9/21/2000		Time: 15:10	
Client ID: ST-2B-0		%Solid: 100				Sample Description:			
1,1,1-Trichloroethane	116	ug/kg	0.03	0	1	8082	cps		9/22/2000
Trichloroethene	334	ug/kg	0.03	0	1	8082	cps		9/22/2000
APL Sample Number: 21371		QC Batch Number:				Collection: 9/21/2000		Time: 15:10	
Client ID: ST-7B-0		%Solid: 100				Sample Description:			
1,1,1-Trichloroethane	136	ug/kg	0.03	0	1	8082	cps		9/22/2000
Trichloroethene	287	ug/kg	0.03	0	1	8082	cps		9/22/2000
APL Sample Number: 21372		QC Batch Number:				Collection: 9/21/2000		Time: 15:10	
Client ID: ST-8B-0		%Solid: 100				Sample Description:			
1,1,1-Trichloroethane	431	ug/kg	0.03	0	1	8082	cps		9/22/2000
Trichloroethene	242	ug/kg	0.03	0	1	8082	cps		9/22/2000
APL Sample Number: 21373		QC Batch Number:				Collection: 9/21/2000		Time:	
Client ID: Blank		%Solid: 100				Sample Description:			
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0	1	8082	cps		9/22/2000



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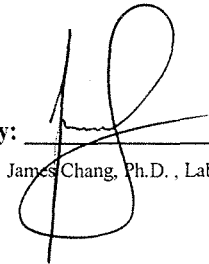
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000700
 DATE REPORTED: 25-Sep-00
 DATE RECEIVED: 21-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Trichloroethene	< 0.03	ug/kg	0.03	0	1		8082	cps		9/22/2000

Approved By:  Date: 9/25/00
 James Chang, Ph.D., Lab Director

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000700
 DATE REPORTED: 26-Sep-00
 DATE RECEIVED: 21-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 21366	Percent Solved: 100.9%		QC Batch Number: 995274	Sample analyzed within: 4 Day(s) from collection.						
Client ID: S-3-7	Sample Description:		Collection: 9/21/2000	Time: 15:10						
1,1,1-Trichloroethane	1440	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/25/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	9/25/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
1,1-Dichloroethene	38	ug/kg	25	60	17	1.0	J	8260	cps	9/25/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	9/25/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	9/25/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/25/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/25/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	9/25/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	9/25/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	9/25/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	9/25/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	9/25/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/25/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	9/25/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	9/25/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	9/25/2000
Methylene chloride	104	ug/kg	25	60	15	1.0	B	8260	cps	9/25/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	9/25/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	9/25/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warranties, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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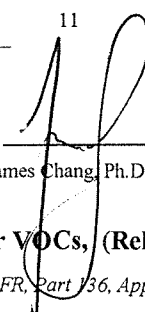
ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000700
DATE REPORTED: 26-Sep-00
DATE RECEIVED: 21-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	9/25/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	9/25/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	9/25/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	9/25/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	9/25/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	9/25/2000
Trichloroethene	46	ug/kg	25	60	17	1.0	J	8260	cps	9/25/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	9/25/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	9/25/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 9/26/00

* Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ: Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL Environmental

8222 W. Galumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Tecumseh
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil																		
	Soil																		
	Soil																		
	Soil																		
	Soil																		
Solid %	Soil																		
TCA, TCE Analysis <u>by ECD</u>	Soil																		
Additional Information:	Collection Time																		
	Collection Date																		
	Sample ID																		
	Lab ID																		

Relinquished By:	Date/Time	Received By:	Special Instructions:
<u>Todd M. [Signature]</u>	<u>4:55</u> <u>9-21-00</u>	<u>[Signature]</u>	

20000704
 20000706



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000704
 DATE REPORTED: 25-Sep-00
 DATE RECEIVED: 25-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21404		QC Batch Number:		Collection: 9/21/2000		Time: 16:15				
Client ID: S-3-8		%Solid: 100		Sample Description:						
1,1,1-Trichloroethane	235	ug/kg	0.03	0	1	8082	cps			9/22/2000
Trichloroethene	142	ug/kg	0.03	0	1	8082	cps			9/22/2000
APL Sample Number: 21407		QC Batch Number:		Collection: 9/21/2000		Time: 16:15				
Client ID: S-3-9		%Solid: 100		Sample Description:						
1,1,1-Trichloroethane	47	ug/kg	0.03	0	1	8082	cps			9/22/2000
Trichloroethene	2270	ug/kg	0.03	0	1	8082	cps			9/22/2000
APL Sample Number: 21409		QC Batch Number:		Collection: 9/21/2000		Time:				
Client ID: methanol blank		%Solid: 100		Sample Description:						
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0	1	8082	cps			9/22/2000
Trichloroethene	< 0.03	ug/kg	0.03	0	1	8082	cps			9/22/2000

Approved By: _____

James Chang, Ph.D., Lab Director

Date: 9/25/00

9/25/00

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier: "J" = Results between LOD and LOQ "L" = Sample less than 20 g. "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



8222 W. Calumet Rd., Milwaukee, WI 53223
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000704
 DATE REPORTED: 05-Oct-00
 DATE RECEIVED: 25-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21404		QC Batch Number: 995327				Collection: 9/21/2000		Time: 16:15	
Client ID: S-3-8		%Solid: 87.7		Sample Description:					
1,1,1-Trichloroethane	170	ug/kg	18	57	1	8260	cps		10/2/2000
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	80	1	8260	cps		10/2/2000
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	cps		10/2/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	cps		10/2/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,2,3-Trichlorobenzene	< 28	ug/kg	28	89	1	8260	cps		10/2/2000
1,2,4-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	cps		10/2/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
1,2-Dichloroethane	< 20	ug/kg	20	64	1	8260	cps		10/2/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps		10/2/2000
1,3,5-Trimethylbenzene	< 20	ug/kg	20	64	1	8260	cps		10/2/2000
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
1,3-Dichloropropane	< 22	ug/kg	22	70	1	8260	cps		10/2/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	cps		10/2/2000
2,2-Dichloropropane	< 16	ug/kg	16	51	1	8260	cps		10/2/2000
2-Chlorotoluene	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Benzene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Bromobenzene	< 18	ug/kg	18	57	1	8260	cps		10/2/2000
Bromodichloromethane	< 22	ug/kg	22	70	1	8260	cps		10/2/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Chlorobenzene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Chloroethane	< 36	ug/kg	36	115	1	8260	cps		10/2/2000
Chloroform	34	ug/kg	14	45	1	J 8260	cps		10/2/2000
Chloromethane	< 28	ug/kg	28	89	1	8260	cps		10/2/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Dibromochloromethane	< 23	ug/kg	23	73	1	8260	cps		10/2/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	cps		10/2/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps		10/2/2000
Hexachlorobutadiene	< 24	ug/kg	24	76	1	8260	cps		10/2/2000
Isopropyl Ether	< 17	ug/kg	17	54	1	8260	cps		10/2/2000
Isopropylbenzene	< 19	ug/kg	19	60	1	8260	cps		10/2/2000
m&p-xylene	< 30	ug/kg	30	95	1	8260	cps		10/2/2000
Methylene chloride	472	ug/kg	17	54	1	B 8260	cps		10/2/2000
MTBE	< 22	ug/kg	22	70	1	8260	cps		10/2/2000
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	cps		10/2/2000



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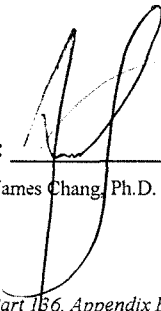
ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000704
 DATE REPORTED: 05-Oct-00
 DATE RECEIVED: 25-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 16	ug/kg	16	51	1		8260	cps		10/2/2000
Naphthalene	< 43	ug/kg	43	137	1		8260	cps		10/2/2000
o-xylene	< 14	ug/kg	14	45	1		8260	cps		10/2/2000
p-Isopropyltoluene	< 18	ug/kg	18	57	1		8260	cps		10/2/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	cps		10/2/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	cps		10/2/2000
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	cps		10/2/2000
Toluene	< 17	ug/kg	17	54	1		8260	cps		10/2/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	cps		10/2/2000
Trichloroethene	132	ug/kg	20	64	1		8260	cps		10/2/2000
Trichlorofluoromethane	< 14	ug/kg	14	45	1		8260	cps		10/2/2000
Vinyl chloride	< 12	ug/kg	12	38	1		8260	cps		10/2/2000

Approved By: 

James Chang, Ph.D., Lab Director

Date: 10/1/00

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g. "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

20000706

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: <i>Technisch</i>
Project ID: <i>1007210</i>

Project Manager:	Larry Wehrheim
Company:	Key Engineering Group, LTD.
Address:	W66 N215 Commerce Court
City/State/Zip:	Cedarburg, WI 53012
Phone:	Fax:
(262)-375-4750	(262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014 Preservation / Filtration Code

Test Required

Matrix

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Soil																	
	Soil																	
	Soil																	
	Soil																	
	Soil																	
Solid %	Soil																	
TCA, TCE Analysis <i>by ECD</i>	Soil																	

Additional Information:

Collection Time

Collection Date

Sample ID

Lab ID

Collection Time	9:10am	10:00am																
Collection Date	9-22-00																	
Sample ID	S-3-10	ST-3b-0	ST-4b-0	ST-5b-0	ST-6b-0	Methanol blank												
Lab ID	21410	21411	21412	21413	21414	21415												

COC#

Relinquished By: <i>Todd [Signature]</i>	Date/Time: <i>11:15 am 9-22-00</i>	Received By: <i>[Signature]</i>
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Special Instructions:



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000706
 DATE REPORTED: 26-Sep-00
 DATE RECEIVED: 22-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21410									
Client ID: S-3-10									
QC Prep Batch Number:					Collection: 9/22/2000		Time: 09:10		
Sample Description:									
1,1,1-Trichloroethane	257	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Trichloroethene	34000	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Sample Number: 21411									
Client ID: S-3B-0 <i>ST-3</i>									
QC Prep Batch Number:					Collection: 9/22/2000		Time: 10:00		
Sample Description:									
1,1,1-Trichloroethane	410	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Trichloroethene	50300	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Sample Number: 21412									
Client ID: S-4B-0 <i>ST-4</i>									
QC Prep Batch Number:					Collection: 9/22/2000		Time: 10:00		
Sample Description:									
1,1,1-Trichloroethane	104	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Trichloroethene	27600	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Sample Number: 21413									
Client ID: S-5B-0 <i>ST-5</i>									
QC Prep Batch Number:					Collection: 9/22/2000		Time: 10:00		
Sample Description:									
1,1,1-Trichloroethane	248	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Trichloroethene	74000	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Sample Number: 21414									
Client ID: S-6B-0 <i>ST-6</i>									
QC Prep Batch Number:					Collection: 9/22/2000		Time: 10:00		
Sample Description:									
1,1,1-Trichloroethane	217	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Trichloroethene	16900	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Sample Number: 21415									
Client ID: METHANOL BL									
QC Prep Batch Number:					Collection: 9/22/2000		Time:		
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		9/25/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		9/25/2000



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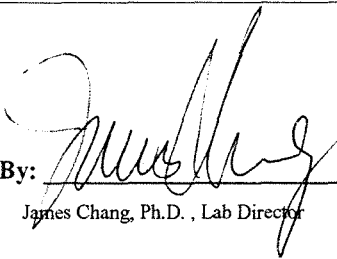
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000706
 DATE REPORTED: 26-Sep-00
 DATE RECEIVED: 22-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:  Date: 9/26/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

20060712

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: <i>Tecumseh</i>
Project ID: <i>1007010</i>

Project Manager:	Larry Wehrheim
Company:	Key Engineering Group, LTD.
Address:	W66 N215 Commerce Court
City/State/Zip	Cedarburg, WI 53012
Phone:	Fax:
(262)-375-4750	(262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

A. HCl E. Methanol 200008014
 B. HNO3 F. Filtered Preservation /
 C. NaOH G. None Filtration Code
 D. H2SO4 H. Others

Test Required

Matrix

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil	Shaded																	
	Soil	Shaded																	
	Soil	Shaded																	
	Soil	Shaded																	
	Soil	Shaded																	
Solid %	Soil	Shaded																	
TCA, TCE Analysis <i>by ECD</i>	Soil	Shaded																	
Additional Information:	Collection Time	<i>11:15 p.m.</i>																	
	Collection Date	<i>9-25-00</i>																	
	Sample ID	<i>3-3-11 1007010 methanol/Blank</i>																	
	Lab ID	<i>21436 21437</i>																	

Relinquished By:	Date/Time	Received By:	Special Instructions:
<i>Todd Miller</i>	<i>3:00 p.m. 9-25-00</i>	<i>[Signature]</i>	



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 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

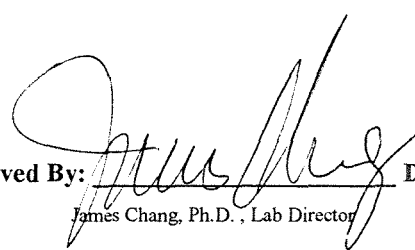
ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000712
 DATE REPORTED: 26-Sep-00
 DATE RECEIVED: 25-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21436		QC Prep Batch Number:		Collection: 9/25/2000		Time: 13:15			
Client ID: S-3-11		Sample Description:							
1,1,1-Trichloroethane	28	ug/kg	0.03	0.08	1	8082	cps		/ 9/25/2000
Trichloroethene	14400	ug/kg	0.03	0.08	1	8082	cps		/ 9/25/2000

Sample Number: 21437		QC Prep Batch Number:		Collection: 9/25/2000		Time:			
Client ID: Methanol Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 9/25/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 9/25/2000

Approved By: 

Date: 9/26/00

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Toxumseh
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group. LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

A. HCl E. Methanol 200008014
 B. HNO3 F. Filtered Preservation /
 C. NaOH G. None Filtration Code
 D. H2SO4 H. Others

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	Soil																		
	Soil																		
	Soil																		
	Soil																		
GCMS	Soil	X	X	X	X	X						X	X						
Solid %	Soil	X	X	X	X	X						X	X						
TCA, TCE Analysis by ECD	Soil	X				X													
Additional Information:	Collection Time																		
Run 8260 for clean ST samples (2 clean)	Collection Date	9-27-00																	
	Sample ID	NT-1B-3	NT-2B-3	NT-6B-3	NT-3B-3	ST-1C-1	ST-2C-1	ST-3C-1	ST-4C-1	ST-5C-1	ST-6C-1	ST-7C-1	ST-8C-1	Methanol Blank					
	Lab ID	21477	21478	21488	21489	21479	21480	21481	21482	21483	21484	21485	21486	21487					

COC# 20000719

Add 21477, 21478, 21479, 21480, 21485, 21486 for GCMS.
 Delete 21479, and 21485 for GCMS.

Relinquished By: <u>Todd [Signature]</u>	Date/Time: <u>3:15pm 9-27-00</u>	Received By: <u>[Signature]</u>	Special Instructions:
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 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000719
 DATE REPORTED: 28-Sep-00
 DATE RECEIVED: 27-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21477									
Client ID: NT-1B-3									
					QC Prep Batch Number:		Collection: 9/27/2000		Time:
Sample Description:									
1,1,1-Trichloroethane	82	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Trichloroethene	460	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Sample Number: 21478									
Client ID: NT-7B-3									
					QC Prep Batch Number:		Collection: 9/27/2000		Time:
Sample Description:									
1,1,1-Trichloroethane	58	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Trichloroethene	301	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Sample Number: 21479									
Client ID: ST-1C-1									
					QC Prep Batch Number:		Collection: 9/27/2000		Time:
Sample Description:									
1,1,1-Trichloroethane	217	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Trichloroethene	190	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Sample Number: 21480									
Client ID: ST-2C-1									
					QC Prep Batch Number:		Collection: 9/27/2000		Time:
Sample Description:									
1,1,1-Trichloroethane	165	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Trichloroethene	770	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Sample Number: 21481									
Client ID: ST-3C-1									
					QC Prep Batch Number:		Collection: 9/27/2000		Time:
Sample Description:									
1,1,1-Trichloroethane	64	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Trichloroethene	1980	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Sample Number: 21482									
Client ID: ST-4C-1									
					QC Prep Batch Number:		Collection: 9/27/2000		Time:
Sample Description:									
1,1,1-Trichloroethane	11	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Trichloroethene	2160	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Sample Number: 21483									
Client ID: ST-5C-1									
					QC Prep Batch Number:		Collection: 9/27/2000		Time:
Sample Description:									
1,1,1-Trichloroethane	7.0	ug/kg	0.03	0.08	1	8082	cps		9/27/2000
Trichloroethene	1860	ug/kg	0.03	0.08	1	8082	cps		9/27/2000



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 Phone: (414) 355-5800 Fax: (414) 355-3099

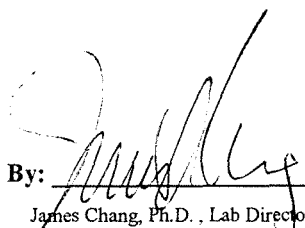
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000719
 DATE REPORTED: 28-Sep-00
 DATE RECEIVED: 27-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21484		QC Prep Batch Number:		Collection: 9/27/2000		Time:			
Client ID: ST-6C-1		Sample Description:							
1,1,1-Trichloroethane	80	ug/kg	0.03	0.08	1	8082	cps		/ 9/27/2000
Trichloroethene	2430	ug/kg	0.03	0.08	1	8082	cps		/ 9/27/2000
Sample Number: 21485		QC Prep Batch Number:		Collection: 9/27/2000		Time:			
Client ID: ST-7C-1		Sample Description:							
1,1,1-Trichloroethane	111	ug/kg	0.03	0.08	1	8082	cps		/ 9/27/2000
Trichloroethene	278	ug/kg	0.03	0.08	1	8082	cps		/ 9/27/2000
Sample Number: 21486		QC Prep Batch Number:		Collection: 9/27/2000		Time:			
Client ID: ST-8C-1		Sample Description:							
1,1,1-Trichloroethane	93	ug/kg	0.03	0.08	1	8082	cps		/ 9/27/2000
Trichloroethene	249	ug/kg	0.03	0.08	1	8082	cps		/ 9/27/2000
Sample Number: 21487		QC Prep Batch Number:		Collection: 9/27/2000		Time:			
Client ID: Blk		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 9/27/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 9/27/2000

Approved By: 

Date: 9/28/00

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000719
 DATE REPORTED: 04-Oct-00
 DATE RECEIVED: 27-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21477		QC Batch Number: 995302		Collection: 9/27/2000		Time:			
Client ID: NT-1B-3		%Solid: 89.7		Sample Description:					
1,1,1-Trichloroethane	66	ug/kg	17	54	1	8260	cps		9/28/2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260	cps		9/28/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	cps		9/28/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	cps		9/28/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,2,3-Trichlorobenzene	< 28	ug/kg	28	89	1	8260	cps		9/28/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	cps		9/28/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	cps		9/28/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps		9/28/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
1,3-Dichloropropane	< 22	ug/kg	22	70	1	8260	cps		9/28/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	cps		9/28/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
2-Chlorotoluene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Benzene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Bromobenzene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	cps		9/28/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Chlorobenzene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Chloroethane	< 35	ug/kg	35	111	1	8260	cps		9/28/2000
Chloroform	< 13	ug/kg	13	41	1	8260	cps		9/28/2000
Chloromethane	< 28	ug/kg	28	89	1	8260	cps		9/28/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Dibromochloromethane	< 23	ug/kg	23	73	1	8260	cps		9/28/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	cps		9/28/2000
Isopropyl Ether	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps		9/28/2000
m&p-xylene	< 30	ug/kg	30	95	1	8260	cps		9/28/2000
Methylene chloride	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
MTBE	< 22	ug/kg	22	70	1	8260	cps		9/28/2000
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	cps		9/28/2000



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000719

DATE REPORTED: 04-Oct-00

DATE RECEIVED: 27-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 16	ug/kg	16	51	1		8260	cps		9/28/2000
Naphthalene	< 42	ug/kg	42	134	1		8260	cps		9/28/2000
o-xylene	< 14	ug/kg	14	45	1		8260	cps		9/28/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	cps		9/28/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
Toluene	< 16	ug/kg	16	51	1		8260	cps		9/28/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	cps		9/28/2000
Trichloroethene	509	ug/kg	19	60	1		8260	cps		9/28/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	cps		9/28/2000
Vinyl chloride	< 12	ug/kg	12	38	1		8260	cps		9/28/2000

APL Sample Number: 21478

QC Batch Number: 995302

Collection: 9/27/2000

Time:

Client ID: NT-7B-3

%Solid: 91.2

Sample Description:

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
1,1,1-Trichloroethane	48	ug/kg	17	54	1	J	8260	cps		9/28/2000
1,1,1,2-Tetrachloroethane	< 24	ug/kg	24	76	1		8260	cps		9/28/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1		8260	cps		9/28/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1		8260	cps		9/28/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1		8260	cps		9/28/2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	cps		9/28/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1		8260	cps		9/28/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1		8260	cps		9/28/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1		8260	cps		9/28/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1		8260	cps		9/28/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1		8260	cps		9/28/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1		8260	cps		9/28/2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	cps		9/28/2000
1,3-Dichloropropane	< 21	ug/kg	21	67	1		8260	cps		9/28/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1		8260	cps		9/28/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1		8260	cps		9/28/2000
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	cps		9/28/2000
4-Chlorotoluene	< 14	ug/kg	14	45	1		8260	cps		9/28/2000
Benzene	< 15	ug/kg	15	48	1		8260	cps		9/28/2000
Bromobenzene	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
Bromodichloromethane	< 21	ug/kg	21	67	1		8260	cps		9/28/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	cps		9/28/2000
Chlorobenzene	< 14	ug/kg	14	45	1		8260	cps		9/28/2000
Chloroethane	< 35	ug/kg	35	111	1		8260	cps		9/28/2000

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000719

DATE REPORTED: 04-Oct-00

DATE RECEIVED: 27-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Chloroform	< 13	ug/kg	13	41	1	8260	cps			9/28/2000
Chloromethane	< 27	ug/kg	27	86	1	8260	cps			9/28/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps			9/28/2000
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	cps			9/28/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	cps			9/28/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps			9/28/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	cps			9/28/2000
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	cps			9/28/2000
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps			9/28/2000
m&p-xylene	< 29	ug/kg	29	92	1	8260	cps			9/28/2000
Methylene chloride	< 17	ug/kg	17	54	1	8260	cps			9/28/2000
MTBE	< 21	ug/kg	21	67	1	8260	cps			9/28/2000
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	cps			9/28/2000
n-Propylbenzene	< 15	ug/kg	15	48	1	8260	cps			9/28/2000
Naphthalene	< 41	ug/kg	41	130	1	8260	cps			9/28/2000
o-xylene	< 14	ug/kg	14	45	1	8260	cps			9/28/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260	cps			9/28/2000
sec-Butylbenzene	< 18	ug/kg	18	57	1	8260	cps			9/28/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1	8260	cps			9/28/2000
Tetrachloroethene	< 17	ug/kg	17	54	1	8260	cps			9/28/2000
Toluene	< 16	ug/kg	16	51	1	8260	cps			9/28/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	cps			9/28/2000
Trichloroethene	324	ug/kg	19	60	1	8260	cps			9/28/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260	cps			9/28/2000
Vinyl chloride	< 12	ug/kg	12	38	1	8260	cps			9/28/2000

APL Sample Number: 21480

QC Batch Number: 995302

Collection: 9/27/2000

Time:

Client ID: ST-2C-1

%Solid: 88.1

Sample Description:

Sample Description	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
1,1,1-Trichloroethane	167	ug/kg	18	57	1	8260	cps			9/28/2000
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	80	1	8260	cps			9/28/2000
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	cps			9/28/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	cps			9/28/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps			9/28/2000
1,2,3-Trichlorobenzene	< 28	ug/kg	28	89	1	8260	cps			9/28/2000
1,2,4-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	cps			9/28/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps			9/28/2000
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	60	1	8260	cps			9/28/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps			9/28/2000
1,2-Dichloroethane	< 20	ug/kg	20	64	1	8260	cps			9/28/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps			9/28/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000719

DATE REPORTED: 04-Oct-00

DATE RECEIVED: 27-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
1,3,5-Trimethylbenzene	< 20	ug/kg	20	64	1		8260	cps		9/28/2000
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1		8260	cps		9/28/2000
1,3-Dichloropropane	< 22	ug/kg	22	70	1		8260	cps		9/28/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1		8260	cps		9/28/2000
2,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	cps		9/28/2000
2-Chlorotoluene	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
4-Chlorotoluene	< 15	ug/kg	15	48	1		8260	cps		9/28/2000
Benzene	< 15	ug/kg	15	48	1		8260	cps		9/28/2000
Bromobenzene	< 18	ug/kg	18	57	1		8260	cps		9/28/2000
Bromodichloromethane	< 22	ug/kg	22	70	1		8260	cps		9/28/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	cps		9/28/2000
Chlorobenzene	< 15	ug/kg	15	48	1		8260	cps		9/28/2000
Chloroethane	< 36	ug/kg	36	115	1		8260	cps		9/28/2000
Chloroform	< 14	ug/kg	14	45	1		8260	cps		9/28/2000
Chloromethane	< 28	ug/kg	28	89	1		8260	cps		9/28/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	cps		9/28/2000
Dibromochloromethane	< 23	ug/kg	23	73	1		8260	cps		9/28/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1		8260	cps		9/28/2000
Ethylbenzene	< 14	ug/kg	14	45	1		8260	cps		9/28/2000
Hexachlorobutadiene	< 24	ug/kg	24	76	1		8260	cps		9/28/2000
Isopropyl Ether	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
Isopropylbenzene	< 19	ug/kg	19	60	1		8260	cps		9/28/2000
m&p-xylene	< 30	ug/kg	30	95	1		8260	cps		9/28/2000
Methylene chloride	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
MTBE	< 22	ug/kg	22	70	1		8260	cps		9/28/2000
n-Butylbenzene	< 20	ug/kg	20	64	1		8260	cps		9/28/2000
n-Propylbenzene	< 16	ug/kg	16	51	1		8260	cps		9/28/2000
Naphthalene	< 43	ug/kg	43	137	1		8260	cps		9/28/2000
o-xylene	< 14	ug/kg	14	45	1		8260	cps		9/28/2000
p-Isopropyltoluene	< 18	ug/kg	18	57	1		8260	cps		9/28/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	cps		9/28/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
Toluene	< 17	ug/kg	17	54	1		8260	cps		9/28/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	cps		9/28/2000
Trichloroethene	1030	ug/kg	20	64	1		8260	cps		9/28/2000
Trichlorofluoromethane	< 14	ug/kg	14	45	1		8260	cps		9/28/2000
Vinyl chloride	< 12	ug/kg	12	38	1		8260	cps		9/28/2000



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000719
 DATE REPORTED: 04-Oct-00
 DATE RECEIVED: 27-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21486		QC Batch Number: 995302				Collection: 9/27/2000		Time:	
Client ID: ST-8C-1		%Solid: 88.8				Sample Description:			
1,1,1-Trichloroethane	78	ug/kg	18	57	1	8260	cps	9/28/2000	
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	80	1	8260	cps	9/28/2000	
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	cps	9/28/2000	
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	cps	9/28/2000	
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps	9/28/2000	
1,2,3-Trichlorobenzene	< 28	ug/kg	28	89	1	8260	cps	9/28/2000	
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	cps	9/28/2000	
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps	9/28/2000	
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	60	1	8260	cps	9/28/2000	
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps	9/28/2000	
1,2-Dichloroethane	< 20	ug/kg	20	64	1	8260	cps	9/28/2000	
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps	9/28/2000	
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps	9/28/2000	
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1	8260	cps	9/28/2000	
1,3-Dichloropropane	< 22	ug/kg	22	70	1	8260	cps	9/28/2000	
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	cps	9/28/2000	
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps	9/28/2000	
2-Chlorotoluene	< 17	ug/kg	17	54	1	8260	cps	9/28/2000	
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	cps	9/28/2000	
Benzene	< 15	ug/kg	15	48	1	8260	cps	9/28/2000	
Bromobenzene	< 17	ug/kg	17	54	1	8260	cps	9/28/2000	
Bromodichloromethane	< 22	ug/kg	22	70	1	8260	cps	9/28/2000	
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps	9/28/2000	
Chlorobenzene	< 15	ug/kg	15	48	1	8260	cps	9/28/2000	
Chloroethane	< 36	ug/kg	36	115	1	8260	cps	9/28/2000	
Chloroform	< 14	ug/kg	14	45	1	8260	cps	9/28/2000	
Chloromethane	< 28	ug/kg	28	89	1	8260	cps	9/28/2000	
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps	9/28/2000	
Dibromochloromethane	< 23	ug/kg	23	73	1	8260	cps	9/28/2000	
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	cps	9/28/2000	
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps	9/28/2000	
Hexachlorobutadiene	< 24	ug/kg	24	76	1	8260	cps	9/28/2000	
Isopropyl Ether	< 17	ug/kg	17	54	1	8260	cps	9/28/2000	
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps	9/28/2000	
m&p-xylene	< 30	ug/kg	30	95	1	8260	cps	9/28/2000	
Methylene chloride	< 17	ug/kg	17	54	1	8260	cps	9/28/2000	
MTBE	< 22	ug/kg	22	70	1	8260	cps	9/28/2000	
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	cps	9/28/2000	

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000719

DATE REPORTED: 04-Oct-00

DATE RECEIVED: 27-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 16	ug/kg	16	51	1	8260	cps		9/28/2000
Naphthalene	< 42	ug/kg	42	134	1	8260	cps		9/28/2000
o-xylene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000
p-Isopropyltoluene	< 18	ug/kg	18	57	1	8260	cps		9/28/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
Tetrachloroethene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
Toluene	< 16	ug/kg	16	51	1	8260	cps		9/28/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000
Trichloroethene	288	ug/kg	19	60	1	8260	cps		9/28/2000
Trichlorofluoromethane	< 14	ug/kg	14	45	1	8260	cps		9/28/2000
Vinyl chloride	< 12	ug/kg	12	38	1	8260	cps		9/28/2000

APL Sample Number: 21488

QC Batch Number: 995302

Collection: 9/27/2000

Time:

Client ID: NT-6B-3

%Solid: 91.1

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260	cps		9/28/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	cps		9/28/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	cps		9/28/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	cps		9/28/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	cps		9/28/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	cps		9/28/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps		9/28/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260	cps		9/28/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	cps		9/28/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	cps		9/28/2000
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000
Benzene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Bromobenzene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	cps		9/28/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Chlorobenzene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000
Chloroethane	< 35	ug/kg	35	111	1	8260	cps		9/28/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000719

DATE REPORTED: 04-Oct-00

DATE RECEIVED: 27-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
Chloroform	< 13	ug/kg	13	41	1	8260	cps		9/28/2000
Chloromethane	< 27	ug/kg	27	86	1	8260	cps		9/28/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	cps		9/28/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	cps		9/28/2000
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	cps		9/28/2000
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps		9/28/2000
m&p-xylene	< 29	ug/kg	29	92	1	8260	cps		9/28/2000
Methylene chloride	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
MTBE	< 21	ug/kg	21	67	1	8260	cps		9/28/2000
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	cps		9/28/2000
n-Propylbenzene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000
Naphthalene	< 41	ug/kg	41	130	1	8260	cps		9/28/2000
o-xylene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
Tetrachloroethene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
Toluene	< 16	ug/kg	16	51	1	8260	cps		9/28/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000
Trichloroethene	492	ug/kg	19	60	1	8260	cps		9/28/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260	cps		9/28/2000
Vinyl chloride	< 12	ug/kg	12	38	1	8260	cps		9/28/2000

APL Sample Number: 21489

QC Batch Number: 995302

Collection: 9/27/2000

Time:

Client ID: NT-2B-3

%Solid: 88.7

Sample Description:

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
1,1,1-Trichloroethane	39	ug/kg	18	57	1	8260	J cps		9/28/2000
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	80	1	8260	cps		9/28/2000
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	cps		9/28/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	cps		9/28/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,2,3-Trichlorobenzene	< 28	ug/kg	28	89	1	8260	cps		9/28/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	cps		9/28/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000
1,2-Dichloroethane	< 20	ug/kg	20	64	1	8260	cps		9/28/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps		9/28/2000

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W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000719

DATE REPORTED: 04-Oct-00

DATE RECEIVED: 27-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000	
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000	
1,3-Dichloropropane	< 22	ug/kg	22	70	1	8260	cps		9/28/2000	
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	cps		9/28/2000	
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps		9/28/2000	
2-Chlorotoluene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000	
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000	
Benzene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000	
Bromobenzene	< 18	ug/kg	18	57	1	8260	cps		9/28/2000	
Bromodichloromethane	< 22	ug/kg	22	70	1	8260	cps		9/28/2000	
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps		9/28/2000	
Chlorobenzene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000	
Chloroethane	< 36	ug/kg	36	115	1	8260	cps		9/28/2000	
Chloroform	< 14	ug/kg	14	45	1	8260	cps		9/28/2000	
Chloromethane	< 28	ug/kg	28	89	1	8260	cps		9/28/2000	
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps		9/28/2000	
Dibromochloromethane	< 23	ug/kg	23	73	1	8260	cps		9/28/2000	
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	cps		9/28/2000	
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000	
Hexachlorobutadiene	< 24	ug/kg	24	76	1	8260	cps		9/28/2000	
Isopropyl Ether	< 17	ug/kg	17	54	1	8260	cps		9/28/2000	
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps		9/28/2000	
m&p-xylene	< 30	ug/kg	30	95	1	8260	cps		9/28/2000	
Methylene chloride	< 17	ug/kg	17	54	1	8260	cps		9/28/2000	
MTBE	< 22	ug/kg	22	70	1	8260	cps		9/28/2000	
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	cps		9/28/2000	
n-Propylbenzene	< 16	ug/kg	16	51	1	8260	cps		9/28/2000	
Naphthalene	< 43	ug/kg	43	137	1	8260	cps		9/28/2000	
o-xylene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000	
p-Isopropyltoluene	< 18	ug/kg	18	57	1	8260	cps		9/28/2000	
sec-Butylbenzene	< 19	ug/kg	19	60	1	8260	cps		9/28/2000	
tert-Butylbenzene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000	
Tetrachloroethene	< 17	ug/kg	17	54	1	8260	cps		9/28/2000	
Toluene	< 16	ug/kg	16	51	1	8260	cps		9/28/2000	
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	cps		9/28/2000	
Trichloroethene	421	ug/kg	19	60	1	8260	cps		9/28/2000	
Trichlorofluoromethane	< 14	ug/kg	14	45	1	8260	cps		9/28/2000	
Vinyl chloride	< 12	ug/kg	12	38	1	8260	cps		9/28/2000	



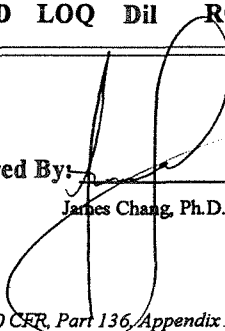
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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550
 INVOICE NUMBER: 20000719
 DATE REPORTED: 04-Oct-00
 DATE RECEIVED: 27-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
------	--------	-------	-----	-----	-----	----	--------	---------	-----------	------------

Approved By: 
 James Chang, Ph.D., Lab Director

Date: 10/4/00

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

*Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.*

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
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Project Name: Joachim
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required

Matrix

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#	
	Soil																			
	Soil																			
	Soil																			
	Soil																			
	Soil																			
Solid %	Soil																			
TCA, TCE Analysis <i>by EGD</i>	Soil	X	X	X	X	X	X	X												
Additional Information:	Collection Time				2:30															
	Collection Date	9-29-00																		
	Sample ID	ST-2-2B	ST-3-2B	ST-4-2B	ST-5-2B	ST-6-2B	ST-7-2B	Methanol Blank												
	Lab ID	21524	21525	21526	21527	21528	21529	21530												

Relinquished By:	Date/Time	Received By:
<i>Todd Miller</i>	3:40pm 9-29-00	<i>Chris Sauer</i>

Special Instructions:

20000730



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Larry Wehrheim
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 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000730
 DATE REPORTED: 05-Oct-00
 DATE RECEIVED: 29-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21524		QC Prep Batch Number:			Collection: 9/29/2000		Time: 14:15		
Client ID: ST-2-2B		Sample Description:							
1,1,1-Trichloroethane	139	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Trichloroethene	647	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Sample Number: 21525		QC Prep Batch Number:			Collection: 9/29/2000		Time: 14:15		
Client ID: ST-3-2B		Sample Description:							
1,1,1-Trichloroethane	78	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Trichloroethene	2460	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Sample Number: 21526		QC Prep Batch Number:			Collection: 9/29/2000		Time: 14:15		
Client ID: ST-4-2B		Sample Description:							
1,1,1-Trichloroethane	24	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Trichloroethene	2480	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Sample Number: 21527		QC Prep Batch Number:			Collection: 9/29/2000		Time: 14:30		
Client ID: ST-5-2B		Sample Description:							
1,1,1-Trichloroethane	48	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Trichloroethene	4290	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Sample Number: 21528		QC Prep Batch Number:			Collection: 9/29/2000		Time: 14:30		
Client ID: ST-6-2B		Sample Description:							
1,1,1-Trichloroethane	79	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Trichloroethene	4750	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Sample Number: 21529		QC Prep Batch Number:			Collection: 9/29/2000		Time: 14:30		
Client ID: ST-7-2B		Sample Description:							
1,1,1-Trichloroethane	241	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Trichloroethene	759	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Sample Number: 21530		QC Prep Batch Number:			Collection: 9/29/2000		Time:		
Client ID: Methanol Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 9/29/2000



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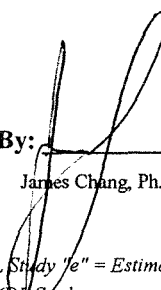
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000730
 DATE REPORTED: 05-Oct-00
 DATE RECEIVED: 29-Sep-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
----------	--------	-------	-----	-----	----------	----	--------	---------	---------------

Approved By:  Date: 10/5/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000730

DATE REPORTED: 05-Oct-00

DATE RECEIVED: 29-Sep-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumsch

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21524		QC Batch Number: 995327		Collection: 9/29/2000		Time: 14:15				
Client ID: ST-2-2B		%Solid: 89.1		Sample Description:						
1,1,1-Trichloroethane	90	ug/kg	18	57	1	8260	cps			10/2/2000
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	80	1	8260	cps			10/2/2000
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	cps			10/2/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	cps			10/2/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps			10/2/2000
1,2,3-Trichlorobenzene	< 28	ug/kg	28	89	1	8260	cps			10/2/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	cps			10/2/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps			10/2/2000
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	60	1	8260	cps			10/2/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps			10/2/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	cps			10/2/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps			10/2/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps			10/2/2000
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1	8260	cps			10/2/2000
1,3-Dichloropropane	< 22	ug/kg	22	70	1	8260	cps			10/2/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	cps			10/2/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps			10/2/2000
2-Chlorotoluene	< 17	ug/kg	17	54	1	8260	cps			10/2/2000
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	cps			10/2/2000
Benzene	< 15	ug/kg	15	48	1	8260	cps			10/2/2000
Bromobenzene	< 17	ug/kg	17	54	1	8260	cps			10/2/2000
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	cps			10/2/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps			10/2/2000
Chlorobenzene	< 15	ug/kg	15	48	1	8260	cps			10/2/2000
Chloroethane	< 36	ug/kg	36	115	1	8260	cps			10/2/2000
Chloroform	< 14	ug/kg	14	45	1	8260	cps			10/2/2000
Chloromethane	< 28	ug/kg	28	89	1	8260	cps			10/2/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps			10/2/2000
Dibromochloromethane	< 23	ug/kg	23	73	1	8260	cps			10/2/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	cps			10/2/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps			10/2/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	cps			10/2/2000
Isopropyl Ether	< 17	ug/kg	17	54	1	8260	cps			10/2/2000
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps			10/2/2000
m&p-xylene	< 30	ug/kg	30	95	1	8260	cps			10/2/2000
Methylene chloride	< 17	ug/kg	17	54	1	8260	cps			10/2/2000
MTBE	< 22	ug/kg	22	70	1	8260	cps			10/2/2000
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	cps			10/2/2000



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000730

DATE REPORTED: 05-Oct-00

DATE RECEIVED: 29-Sep-00

SAMPLE TEMP (C): Rec On Rec

PROJECT ID: 1007010

PROJECT NAME: Tecumsch

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 16	ug/kg	16	51	1		8260	cps		10/2/2000
Naphthalene	< 42	ug/kg	42	134	1		8260	cps		10/2/2000
o-xylene	< 14	ug/kg	14	45	1		8260	cps		10/2/2000
p-Isopropyltoluene	< 18	ug/kg	18	57	1		8260	cps		10/2/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	cps		10/2/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	cps		10/2/2000
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	cps		10/2/2000
Toluene	< 16	ug/kg	16	51	1		8260	cps		10/2/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	cps		10/2/2000
Trichloroethene	723	ug/kg	19	60	1		8260	cps		10/2/2000
Trichlorofluoromethane	< 14	ug/kg	14	45	1		8260	cps		10/2/2000
Vinyl chloride	< 12	ug/kg	12	38	1		8260	cps		10/2/2000

Approved By: _____

James Chang, Ph.D., Lab Director

Date: _____

10/2/00

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g. "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
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20000749

Project Name: Tecumseh
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Soil																	
	Soil																	
	Soil																	
	Soil																	
	Soil																	
Solid %	Soil																	
TCA, TCE Analysis <u>by ECD</u>	Soil																	

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
3:00	10-3-00	S-3-12	21605	
		S-3-13	21606	
		S-3-14	21607	
		Methanol/Blank		

Relinquished By: <u>Todd [Signature]</u>	Date/Time: <u>4:15 p.m. 10-3-00</u>	Received By: <u>[Signature]</u>	Special Instructions:
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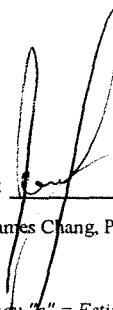
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000749
 DATE REPORTED: 12-Oct-00
 DATE RECEIVED: 03-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21605		QC Prep Batch Number:			Collection: 10/3/2000		Time: 15:00		
Client ID: S-3-12		Sample Description:							
1,1,1-Trichloroethane	54	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Trichloroethene	300	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Sample Number: 21606		QC Prep Batch Number:			Collection: 10/3/2000		Time: 15:00		
Client ID: S-3-13		Sample Description:							
1,1,1-Trichloroethane	54	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Trichloroethene	23900	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Sample Number: 21607		QC Prep Batch Number:			Collection: 10/3/2000		Time: 15:00		
Client ID: S-3-14		Sample Description:							
1,1,1-Trichloroethane	11	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Trichloroethene	1310	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Sample Number: 21608		QC Prep Batch Number:			Collection: 10/3/2000		Time: 15:00		
Client ID: Methanol Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000

Approved By: 

Date: 10/12/00

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000746
 DATE REPORTED: 12-Oct-00
 DATE RECEIVED: 03-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21590		QC Prep Batch Number:			Collection: 10/3/2000		Time:		
Client ID: ST-2-2C		Sample Description:							
1,1,1-Trichloroethane	119	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Trichloroethene	423	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Sample Number: 21591		QC Prep Batch Number:			Collection: 10/3/2000		Time:		
Client ID: ST-3-2C		Sample Description:							
1,1,1-Trichloroethane	68	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Trichloroethene	1500	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Sample Number: 21592		QC Prep Batch Number:			Collection: 10/3/2000		Time:		
Client ID: ST-4-2C		Sample Description:							
1,1,1-Trichloroethane	20	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Trichloroethene	1150	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Sample Number: 21593		QC Prep Batch Number:			Collection: 10/3/2000		Time:		
Client ID: ST-5-2C		Sample Description:							
1,1,1-Trichloroethane	30	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Trichloroethene	1980	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Sample Number: 21594		QC Prep Batch Number:			Collection: 10/3/2000		Time:		
Client ID: ST-6-2C		Sample Description:							
1,1,1-Trichloroethane	144	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Trichloroethene	2360	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Sample Number: 21595		QC Prep Batch Number:			Collection: 10/3/2000		Time:		
Client ID: ST-7-2C		Sample Description:							
1,1,1-Trichloroethane	148	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Trichloroethene	373	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Sample Number: 21596		QC Prep Batch Number:			Collection: 10/3/2000		Time:		
Client ID: Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 10/3/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000746
 DATE REPORTED: 12-Oct-00
 DATE RECEIVED: 03-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21597									
Client ID: NT-2-0C									
QC Prep Batch Number:					Collection: 10/3/2000		Time:		
Sample Description:									
1,1,1-Trichloroethane	206	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Trichloroethene	23300	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Sample Number: 21598									
Client ID: NT-7-0C									
QC Prep Batch Number:					Collection: 10/3/2000		Time:		
Sample Description:									
1,1,1-Trichloroethane	97	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Trichloroethene	6790	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Sample Number: 21599									
Client ID: NT-8-0C									
QC Prep Batch Number:					Collection: 10/3/2000		Time:		
Sample Description:									
1,1,1-Trichloroethane	26	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Trichloroethene	5750	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Sample Number: 21600									
Client ID: NT-6-0C									
QC Prep Batch Number:					Collection: 10/3/2000		Time:		
Sample Description:									
1,1,1-Trichloroethane	173	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Trichloroethene	26500	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Sample Number: 21601									
Client ID: NT-1-0C									
QC Prep Batch Number:					Collection: 10/3/2000		Time:		
Sample Description:									
1,1,1-Trichloroethane	32	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Trichloroethene	762	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Sample Number: 21602									
Client ID: NT-3-0C									
QC Prep Batch Number:					Collection: 10/3/2000		Time:		
Sample Description:									
1,1,1-Trichloroethane	183	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000
Trichloroethene	23700	ug/kg	0.03	0.08	1		8082	cps	/ 10/3/2000



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000746
 DATE REPORTED: 12-Oct-00
 DATE RECEIVED: 03-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By: _____

James Chang, Ph.D., Lab Director

Date: _____

10/14/00

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000753
 DATE REPORTED: 05-Oct-00
 DATE RECEIVED: 04-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21616									
Client ID: ST-3-4C									
QC Prep Batch Number:			Collection: 10/4/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	40	ug/kg	0.03	0.08	1	8082	cps		/ 10/4/2000
Trichloroethene	960	ug/kg	0.03	0.08	1	8082	cps		/ 10/4/2000
Sample Number: 21617									
Client ID: ST-4-4C									
QC Prep Batch Number:			Collection: 10/4/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	36	ug/kg	0.03	0.08	1	8082	cps		/ 10/4/2000
Trichloroethene	2390	ug/kg	0.03	0.08	1	8082	cps		/ 10/4/2000
Sample Number: 21618									
Client ID: ST-5-4C									
QC Prep Batch Number:			Collection: 10/4/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	26	ug/kg	0.03	0.08	1	8082	cps		/ 10/4/2000
Trichloroethene	1530	ug/kg	0.03	0.08	1	8082	cps		/ 10/4/2000
Sample Number: 21619									
Client ID: ST-6-4C									
QC Prep Batch Number:			Collection: 10/4/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	62	ug/kg	0.03	0.08	1	8082	cps		/ 10/4/2000
Trichloroethene	1170	ug/kg	0.03	0.08	1	8082	cps		/ 10/4/2000
Sample Number: 21620									
Client ID: Blank									
QC Prep Batch Number:			Collection: 10/4/2000			Time:			
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 10/4/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 10/4/2000



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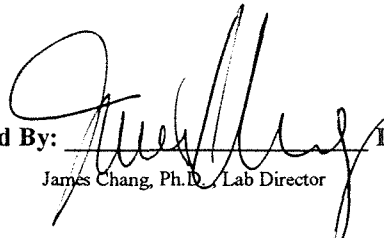
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000753
 DATE REPORTED: 05-Oct-00
 DATE RECEIVED: 04-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:  Date: 10, 5, 00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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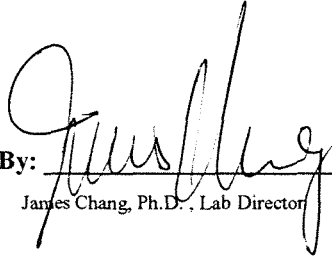
Larry Wehrheim
Key Engineering Group, LTD.
W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000758
DATE REPORTED: 09-Oct-00
DATE RECEIVED: 06-Oct-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21628		QC Prep Batch Number:			Collection: 10/6/2000		Time: 14:58		
Client ID: ST-3-5C		Sample Description:							
1,1,1-Trichloroethane	32	ug/kg	0.03	0.08	1		8082	cps	/ 10/6/2000
Trichloroethene	646	ug/kg	0.03	0.08	1		8082	cps	/ 10/6/2000
Sample Number: 21629		QC Prep Batch Number:			Collection: 10/6/2000		Time:		
Client ID: ST-4-5C		Sample Description:							
1,1,1-Trichloroethane	16	ug/kg	0.03	0.08	1		8082	cps	/ 10/6/2000
Trichloroethene	777	ug/kg	0.03	0.08	1		8082	cps	/ 10/6/2000
Sample Number: 21630		QC Prep Batch Number:			Collection: 10/6/2000		Time:		
Client ID: ST-5-5C		Sample Description:							
1,1,1-Trichloroethane	14	ug/kg	0.03	0.08	1		8082	cps	/ 10/6/2000
Trichloroethene	562	ug/kg	0.03	0.08	1		8082	cps	/ 10/6/2000
Sample Number: 21631		QC Prep Batch Number:			Collection: 10/6/2000		Time:		
Client ID: ST-6-5C		Sample Description:							
1,1,1-Trichloroethane	31	ug/kg	0.03	0.08	1		8082	cps	/ 10/6/2000
Trichloroethene	571	ug/kg	0.03	0.08	1		8082	cps	/ 10/6/2000

Approved By: 

Date: 10/9/00

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 2413-0550

INVOICE NUMBER: 20000758

DATE REPORTED: 10-Oct-00

DATE RECEIVED: 06-Oct-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID:

PROJECT NAME:

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21629		QC Batch Number: 995370				Collection: 10/6/2000		Time:	
Client ID: ST-4-5C		%Solid: 90.5		Sample Description:					
1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260	cps		10/9/2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260	cps		10/9/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	cps		10/9/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	cps		10/9/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	cps		10/9/2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	cps		10/9/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	cps		10/9/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	cps		10/9/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	cps		10/9/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	cps		10/9/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	cps		10/9/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	cps		10/9/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	cps		10/9/2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	cps		10/9/2000
1,3-Dichloropropane	< 22	ug/kg	22	70	1	8260	cps		10/9/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	cps		10/9/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	cps		10/9/2000
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	cps		10/9/2000
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	cps		10/9/2000
Benzene	< 15	ug/kg	15	48	1	8260	cps		10/9/2000
Bromobenzene	< 17	ug/kg	17	54	1	8260	cps		10/9/2000
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	cps		10/9/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	cps		10/9/2000
Chlorobenzene	< 14	ug/kg	14	45	1	8260	cps		10/9/2000
Chloroethane	< 35	ug/kg	35	111	1	8260	cps		10/9/2000
Chloroform	< 13	ug/kg	13	41	1	8260	cps		10/9/2000
Chloromethane	< 27	ug/kg	27	86	1	8260	cps		10/9/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	cps		10/9/2000
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	cps		10/9/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	cps		10/9/2000
Ethylbenzene	< 14	ug/kg	14	45	1	8260	cps		10/9/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	cps		10/9/2000
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	cps		10/9/2000
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	cps		10/9/2000
m&p-xylene	< 30	ug/kg	30	95	1	8260	cps		10/9/2000
Methylene chloride	338	ug/kg	17	54	1	B 8260	cps		10/9/2000
MTBE	< 22	ug/kg	22	70	1	8260	cps		10/9/2000
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	cps		10/9/2000



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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000758

DATE REPORTED: 10-Oct-00

DATE RECEIVED: 06-Oct-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID:

PROJECT NAME:

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 16	ug/kg	16	51	1		8260	cps		10/9/2000
Naphthalene	< 42	ug/kg	42	134	1		8260	cps		10/9/2000
o-xylene	< 14	ug/kg	14	45	1		8260	cps		10/9/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	cps		10/9/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	cps		10/9/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	cps		10/9/2000
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	cps		10/9/2000
Toluene	< 16	ug/kg	16	51	1		8260	cps		10/9/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	cps		10/9/2000
Trichloroethene	1950	ug/kg	19	60	1		8260	cps		10/9/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	cps		10/9/2000
Vinyl chloride	< 12	ug/kg	12	38	1		8260	cps		10/9/2000

APL Sample Number: 21631

QC Batch Number: 995370

Collection: 10/6/2000 Time:

Client ID: ST-6-5C

%Solid: 90.8

Sample Description:

1,1,1-Trichloroethane	32	ug/kg	17	54	1	J	8260	cps		10/9/2000
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1		8260	cps		10/9/2000
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1		8260	cps		10/9/2000
1,1-Dichloroethane	< 18	ug/kg	18	57	1		8260	cps		10/9/2000
1,1-Dichloroethene	< 19	ug/kg	19	60	1		8260	cps		10/9/2000
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	cps		10/9/2000
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1		8260	cps		10/9/2000
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1		8260	cps		10/9/2000
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1		8260	cps		10/9/2000
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1		8260	cps		10/9/2000
1,2-Dichloroethane	< 19	ug/kg	19	60	1		8260	cps		10/9/2000
1,2-Dichloropropane	< 18	ug/kg	18	57	1		8260	cps		10/9/2000
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1		8260	cps		10/9/2000
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	cps		10/9/2000
1,3-Dichloropropane	< 21	ug/kg	21	67	1		8260	cps		10/9/2000
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1		8260	cps		10/9/2000
2,2-Dichloropropane	< 15	ug/kg	15	48	1		8260	cps		10/9/2000
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	cps		10/9/2000
4-Chlorotoluene	< 15	ug/kg	15	48	1		8260	cps		10/9/2000
Benzene	< 15	ug/kg	15	48	1		8260	cps		10/9/2000
Bromobenzene	< 17	ug/kg	17	54	1		8260	cps		10/9/2000
Bromodichloromethane	< 21	ug/kg	21	67	1		8260	cps		10/9/2000
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	cps		10/9/2000
Chlorobenzene	< 14	ug/kg	14	45	1		8260	cps		10/9/2000
Chloroethane	< 35	ug/kg	35	111	1		8260	cps		10/9/2000



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W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000758

DATE REPORTED: 10-Oct-00

DATE RECEIVED: 06-Oct-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID:

PROJECT NAME:

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Chloroform	< 13	ug/kg	13	41	1		8260	cps		10/9/2000
Chloromethane	< 27	ug/kg	27	86	1		8260	cps		10/9/2000
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	cps		10/9/2000
Dibromochloromethane	< 22	ug/kg	22	70	1		8260	cps		10/9/2000
Dichlorodifluoromethane	< 15	ug/kg	15	48	1		8260	cps		10/9/2000
Ethylbenzene	< 14	ug/kg	14	45	1		8260	cps		10/9/2000
Hexachlorobutadiene	< 23	ug/kg	23	73	1		8260	cps		10/9/2000
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	cps		10/9/2000
Isopropylbenzene	< 18	ug/kg	18	57	1		8260	cps		10/9/2000
m&p-xylene	< 29	ug/kg	29	92	1		8260	cps		10/9/2000
Methylene chloride	264	ug/kg	17	54	1	B	8260	cps		10/9/2000
MTBE	< 22	ug/kg	22	70	1		8260	cps		10/9/2000
n-Butylbenzene	< 20	ug/kg	20	64	1		8260	cps		10/9/2000
n-Propylbenzene	< 16	ug/kg	16	51	1		8260	cps		10/9/2000
Naphthalene	< 42	ug/kg	42	134	1		8260	cps		10/9/2000
o-xylene	< 14	ug/kg	14	45	1		8260	cps		10/9/2000
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	cps		10/9/2000
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	cps		10/9/2000
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	cps		10/9/2000
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	cps		10/9/2000
Toluene	< 16	ug/kg	16	51	1		8260	cps		10/9/2000
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	cps		10/9/2000
Trichloroethene	1290	ug/kg	19	60	1		8260	cps		10/9/2000
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	cps		10/9/2000
Vinyl chloride	< 12	ug/kg	12	38	1		8260	cps		10/9/2000



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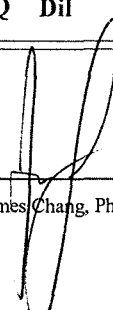
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000758
 DATE REPORTED: 10-Oct-00
 DATE RECEIVED: 06-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
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Approved By: 

James Chang, Ph.D., Lab Director

Date: 10/10/00

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ: Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g. "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Jecumseh
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix																			
	Soil																			
	Soil																			
	Soil																			
	Soil																			
	Soil																			
Solid %	Soil																			
TCA, TCE Analysis <i>by ECD</i>	Soil	X	X																	

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID																	COC#	
1:30	10/11/00	ST-4-6C	21681																		
1:35	10/11/00	ST-6-6C	21682																		

Relinquished By: <u><i>W. John Bentes</i></u>	Date/Time: <u>10/11/00 2:35</u>	Received By: <u><i>[Signature]</i></u>	Special Instructions: <u>20000770</u>
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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

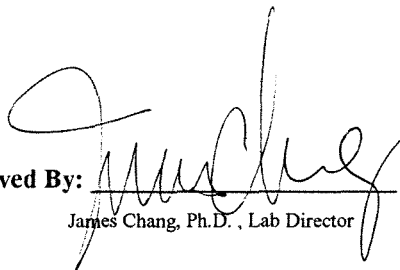
ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000770
 DATE REPORTED: 12-Oct-00
 DATE RECEIVED: 11-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21681		QC Prep Batch Number:			Collection: 10/11/2000		Time: 13:30		
Client ID: ST-4-6C		Sample Description:							
1,1,1-Trichloroethane	49	ug/kg	0.03	0.08	1		8082	cps	/ 0/11/200
Trichloroethene	1210	ug/kg	0.03	0.08	1		8082	cps	/ 0/11/200

Sample Number: 21682		QC Prep Batch Number:			Collection: 10/11/2000		Time: 13:35		
Client ID: ST-6-6C		Sample Description:							
1,1,1-Trichloroethane	22	ug/kg	0.03	0.08	1		8082	cps	/ 0/11/200
Trichloroethene	824	ug/kg	0.03	0.08	1		8082	cps	/ 0/11/200

Approved By: 

James Chang, Ph.D., Lab Director

Date: 10/12/00

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3899

Project Name: Reconser
 Project ID: 100710

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#	
	Soil																			
	Soil																			
	Soil																			
	Soil																			
	Soil																			
Solid %	Soil																			
TCA, TCE Analysis <i>- by EDS</i>	Soil	X	X	X	X	X	X	X	X	X	X									
Additional Information:	Collection Time	<u>pm</u>																		
	Collection Date	<u>10/13/00</u>																		
	Sample ID	<u>ST-4-7C</u>	<u>ST-6-7C</u>	<u>MT-1-1C</u>	<u>MT-2-1C</u>	<u>MT-3-1C</u>	<u>MT-4-1C</u>	<u>MT-5-1C</u>	<u>MT-6-1C</u>	<u>MT-7-1C</u>	<u>MT-8-1C</u>									
	Lab ID	<u>21702</u>	<u>21703</u>	<u>21704</u>	<u>21705</u>	<u>21706</u>	<u>21707</u>	<u>21708</u>	<u>21709</u>	<u>21710</u>	<u>21711</u>									

20000778

Relinquished By:	Date/Time	Received By:	Special Instructions:
<u>[Signature]</u>	<u>10/13/00</u> <u>4pm</u>	<u>[Signature]</u>	<u>20000778</u>



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Larry Wehrheim
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000778
 DATE REPORTED: 16-Oct-00
 DATE RECEIVED: 13-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 100710
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21702		QC Prep Batch Number:			Collection: 10/13/2000		Time: 13:00		
Client ID: ST-4-7C		Sample Description:							
1,1,1-Trichloroethane	29	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Trichloroethene	761	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Sample Number: 21703		QC Prep Batch Number:			Collection: 10/13/2000		Time: 13:10		
Client ID: ST-6-7C		Sample Description:							
1,1,1-Trichloroethane	49	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Trichloroethene	698	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Sample Number: 21704		QC Prep Batch Number:			Collection: 10/13/2000		Time: 13:20		
Client ID: NT-1-1C		Sample Description:							
1,1,1-Trichloroethane	20	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Trichloroethene	923	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Sample Number: 21705		QC Prep Batch Number:			Collection: 10/13/2000		Time: 13:30		
Client ID: NT-2-1C		Sample Description:							
1,1,1-Trichloroethane	55	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Trichloroethene	4490	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Sample Number: 21706		QC Prep Batch Number:			Collection: 10/13/2000		Time: 13:40		
Client ID: NT-3-1C		Sample Description:							
1,1,1-Trichloroethane	21	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Trichloroethene	4120	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Sample Number: 21707		QC Prep Batch Number:			Collection: 10/13/2000		Time: 13:50		
Client ID: NT-4-1C		Sample Description:							
1,1,1-Trichloroethane	13	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Trichloroethene	1840	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Sample Number: 21708		QC Prep Batch Number:			Collection: 10/13/2000		Time: 14:00		
Client ID: NT-5-1C		Sample Description:							
1,1,1-Trichloroethane	14	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200
Trichloroethene	1670	ug/kg	0.03	0.08	1	8082	cps		/ 0/13/200



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000778
 DATE REPORTED: 16-Oct-00
 DATE RECEIVED: 13-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 100710
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21709		QC Prep Batch Number:			Collection: 10/13/2000		Time: 14:10		
Client ID: NT-6-1C		Sample Description:							
1,1,1-Trichloroethane	23	ug/kg	0.03	0.08	1		8082	cps	/ 0/13/2000
Trichloroethene	2920	ug/kg	0.03	0.08	1		8082	cps	/ 0/13/2000
Sample Number: 21710		QC Prep Batch Number:			Collection: 10/13/2000		Time: 14:20		
Client ID: NT-7-1C		Sample Description:							
1,1,1-Trichloroethane	71	ug/kg	0.03	0.08	1		8082	cps	/ 0/13/2000
Trichloroethene	3360	ug/kg	0.03	0.08	1		8082	cps	/ 0/13/2000
Sample Number: 21711		QC Prep Batch Number:			Collection: 10/13/2000		Time: 14:30		
Client ID: NT-8-1C		Sample Description:							
1,1,1-Trichloroethane	17	ug/kg	0.03	0.08	1		8082	cps	/ 0/13/2000
Trichloroethene	1270	ug/kg	0.03	0.08	1		8082	cps	/ 0/13/2000

Approved By:

Date: 10/16/00

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Tecumseh
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required

Matrix

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil																		
	Soil																		
	Soil																		
	Soil																		
	Soil																		
Solid %	Soil																		
TCA, TCE Analysis <u>FCP</u>	Soil	X	X	X															
Additional Information:	Collection Time																		
	Collection Date																		
	Sample ID																		
	Lab ID																		

Relinquished By:	Date/Time	Received By:
<u>L. Wehrheim</u>	<u>3:00 10/17/00</u>	<u>RH</u>

Special Instructions:
20000787



8222 W. Calumet Rd., Milwaukee, WI 53223
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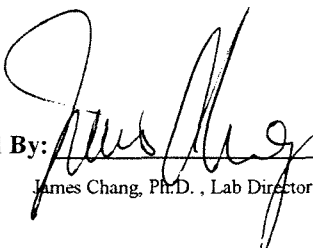
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000787
 DATE REPORTED: 18-Oct-00
 DATE RECEIVED: 17-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21753		QC Prep Batch Number:		Collection: 10/17/2000		Time:			
Client ID: ST-4-8C		Sample Description:							
1,1,1-Trichloroethane	26	ug/kg	0.03	0.08	1	8082	cps		/ 0/17/200
Trichloroethene	585	ug/kg	0.03	0.08	1	8082	cps		/ 0/17/200
Sample Number: 21754		QC Prep Batch Number:		Collection: 10/17/2000		Time:			
Client ID: ST-6-8C		Sample Description:							
1,1,1-Trichloroethane	69	ug/kg	0.03	0.08	1	8082	cps		/ 0/17/200
Trichloroethene	638	ug/kg	0.03	0.08	1	8082	cps		/ 0/17/200
Sample Number: 21755		QC Prep Batch Number:		Collection: 10/17/2000		Time:			
Client ID: Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 0/17/200
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	cps		/ 0/17/200

Approved By:  Date: 10/18/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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Larry Wehrheim
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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000787
 DATE REPORTED: 20-Oct-00
 DATE RECEIVED: 17-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 21753	Percent Solid: 92.1%		QC Batch Number: 995432			Sample analyzed within: 1 Day(s) from collection.				
Client ID: ST-4-8C	Sample Description:					Collection: 10/17/2000	Time:			
1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	10/18/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	10/18/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	10/18/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	10/18/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	10/18/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	10/18/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	10/18/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	10/18/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	10/18/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	10/18/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	10/18/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	10/18/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	10/18/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	10/18/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	10/18/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	10/18/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	10/18/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	10/18/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	10/18/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	10/18/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	10/18/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	10/18/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	10/18/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	10/18/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	10/18/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	10/18/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	10/18/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000787
 DATE REPORTED: 20-Oct-00
 DATE RECEIVED: 17-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	10/18/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	10/18/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	10/18/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	10/18/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
Trichloroethene	672	ug/kg	25	60	17	1.0		8260	cps	10/18/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	10/18/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	10/18/2000

Sample Number	Percent Solid	QC Batch Number	Sample analyzed within
21754	91.3%	993432	1 Day(s) from collection
Client ID	Sample Description	Collection	Time
ST-6-8C		10/17/2000	

1,1,1-Trichloroethane	65	ug/kg	25	60	16	1.0	8260	cps	10/18/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0	8260	cps	10/18/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0	8260	cps	10/18/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0	8260	cps	10/18/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0	8260	cps	10/18/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0	8260	cps	10/18/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0	8260	cps	10/18/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0	8260	cps	10/18/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0	8260	cps	10/18/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0	8260	cps	10/18/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0	8260	cps	10/18/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0	8260	cps	10/18/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0	8260	cps	10/18/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0	8260	cps	10/18/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0	8260	cps	10/18/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0	8260	cps	10/18/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0	8260	cps	10/18/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0	8260	cps	10/18/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0	8260	cps	10/18/2000
Benzene	<25*	ug/kg	25	60	13	1.0	8260	cps	10/18/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0	8260	cps	10/18/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0	8260	cps	10/18/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0	8260	cps	10/18/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0	8260	cps	10/18/2000

* According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.

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Larry Wehrheim
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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000787
 DATE REPORTED: 20-Oct-00
 DATE RECEIVED: 17-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	10/18/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	10/18/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	10/18/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	10/18/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	10/18/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	10/18/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	10/18/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	10/18/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	10/18/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	10/18/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	10/18/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	10/18/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	10/18/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	10/18/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
Tetrachloroethene	58	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	10/18/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	10/18/2000
Trichloroethene	990	ug/kg	25	60	17	1.0		8260	cps	10/18/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	10/18/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	10/18/2000

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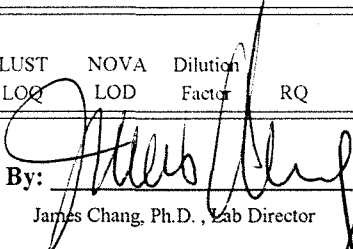
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000787
 DATE REPORTED: 20-Oct-00
 DATE RECEIVED: 17-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Dry Weight and Dilution Factor Corrected		LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
	LUST Result	Units								

Approved By:  Date: 10/24/00
 James Chang, Ph.D., Lab Director

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ: Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

*** According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.**

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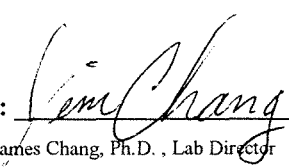
Larry Wehrheim
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 2000791
 DATE REPORTED: 19-Oct-00
 DATE RECEIVED: 18-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Techumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21762		QC Prep Batch Number:		Collection: 10/18/2000		Time:			
Client ID: S-3-15				Sample Description:					
1,1,1-Trichloroethane	34	ug/kg	0.03	0.08	1	8082	cps		0/18/200
Trichloroethene	389	ug/kg	0.03	0.08	1	8082	cps		0/18/200
Sample Number: 21763		QC Prep Batch Number:		Collection: 10/18/2000		Time:			
Client ID: S-3-16				Sample Description:					
1,1,1-Trichloroethane	171	ug/kg	0.03	0.08	1	8082	cps		0/18/200
Trichloroethene	2010	ug/kg	0.03	0.08	1	8082	cps		0/18/200
Sample Number: 21764		QC Prep Batch Number:		Collection: 10/18/2000		Time:			
Client ID: S-3-17				Sample Description:					
1,1,1-Trichloroethane	64	ug/kg	0.03	0.08	1	8082	cps		0/18/200
Trichloroethene	25000	ug/kg	0.03	0.08	1	8082	cps		0/18/200
Sample Number: 21765		QC Prep Batch Number:		Collection: 10/18/2000		Time:			
Client ID: S-3-18				Sample Description:					
1,1,1-Trichloroethane	27	ug/kg	0.03	0.08	1	8082	cps		0/18/200
Trichloroethene	2770	ug/kg	0.03	0.08	1	8082	cps		0/18/200

Approved By: 

Date: 10/19/00

James Chang, Ph.D., Lab Director

CPS

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Secumseh
 Project ID:

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil																		
	Soil																		
	Soil																		
	Soil																		
	Soil																		
Solid %	Soil																		
TCA, TCE Analysis	Soil	X	X																
Additional Information:	Collection Time	9:30	↓																
	Collection Date	10/19/00	↓																
	Sample ID	S-3-19	S-3-20																
	Lab ID																		

Relinquished By: <u>[Signature]</u>	Date/Time: <u>10/19/00</u> <u>11:25</u>	Received By: <u>[Signature]</u>	Special Instructions:
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8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

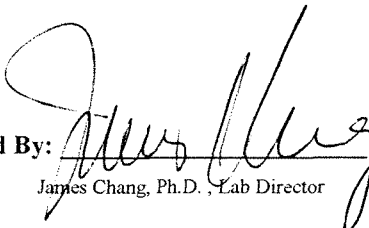
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000796
 DATE REPORTED: 20-Oct-00
 DATE RECEIVED: 19-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21806		QC Prep Batch Number:			Collection: 10/19/2000		Time: 09:30		
Client ID: S-3-19		Sample Description:							
1,1,1-Trichloroethane	10	ug/kg	0.03	0.08	1	8082	cps		/ 0/19/200
Trichloroethene	467	ug/kg	0.03	0.08	1	8082	cps		/ 0/19/200
Sample Number: 21807		QC Prep Batch Number:			Collection: 10/19/2000		Time: 09:30		
Client ID: S-3-20		Sample Description:							
1,1,1-Trichloroethane	90	ug/kg	0.03	0.08	1	8082	cps		/ 0/19/200
Trichloroethene	2130	ug/kg	0.03	0.08	1	8082	cps		/ 0/19/200

Approved By:  Date: 10/20/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000802
 DATE REPORTED: 23-Oct-00
 DATE RECEIVED: 20-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21832		QC Prep Batch Number:			Collection: 10/20/2000		Time: 14:00		
Client ID: NT-1-2C		Sample Description:							
1,1,1-Trichloroethane	21	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Trichloroethene	964	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Sample Number: 21833		QC Prep Batch Number:			Collection: 10/20/2000		Time: 14:02		
Client ID: NT-2-2C		Sample Description:							
1,1,1-Trichloroethane	36	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Trichloroethene	2930	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Sample Number: 21834		QC Prep Batch Number:			Collection: 10/20/2000		Time: 14:04		
Client ID: NT-3-2C		Sample Description:							
1,1,1-Trichloroethane	24	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Trichloroethene	3480	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Sample Number: 21835		QC Prep Batch Number:			Collection: 10/20/2000		Time: 14:06		
Client ID: NT-4-2C		Sample Description:							
1,1,1-Trichloroethane	7.9	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Trichloroethene	1230	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Sample Number: 21836		QC Prep Batch Number:			Collection: 10/20/2000		Time: 14:08		
Client ID: NT-5-2C		Sample Description:							
1,1,1-Trichloroethane	9.6	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Trichloroethene	1590	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Sample Number: 21837		QC Prep Batch Number:			Collection: 10/20/2000		Time: 14:10		
Client ID: NT-6-2C		Sample Description:							
1,1,1-Trichloroethane	26	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Trichloroethene	3140	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Sample Number: 21838		QC Prep Batch Number:			Collection: 10/20/2000		Time: 14:12		
Client ID: NT-7-2C		Sample Description:							
1,1,1-Trichloroethane	30	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200
Trichloroethene	1880	ug/kg	0.03	0.08	1	8082	cps		/ 0/20/200



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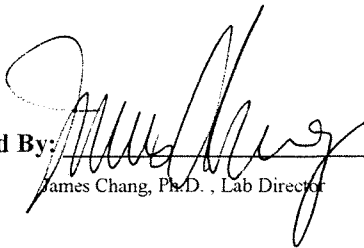
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 2000802
 DATE REPORTED: 23-Oct-00
 DATE RECEIVED: 20-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21839		QC Prep Batch Number:					Collection: 10/20/2000		Time: 14:14
Client ID: NT-8-2C							Sample Description:		
1,1,1-Trichloroethane	22	ug/kg	0.03	0.08	1		8082 cps		/ 0/20/200
Trichloroethene	770	ug/kg	0.03	0.08	1		8082 cps		/ 0/20/200

Approved By:  Date: 10/23/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: Tecumseh
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required

Matrix

	Soil																
	Soil																
	Soil																
	Soil																
	Soil																
Solid %	Soil	X															
TCA, TCE Analysis by ECD	Soil	X															

Additional Information:

Collection Time	10-27-00 1:30								2:15pm								
Collection Date	10-27-00																
Sample ID	NT-1-4C	NT-2-4C	NT-3-4C	NT-4-4C	NT-5-4C	NT-6-4C	NT-7-4C	NT-8-4C	ST-1-1D	ST-2-1D	ST-3-1D	ST-4-1D	ST-5-1D	ST-6-1D	ST-7-1D	ST-8-1D	Methane/Blank
Lab ID	21956	21957	21958	21959	21960	21961	21962	21963	21964	21965	21966	21967	21968	21969	21970	21971	21972
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Relinquished By:	Date/Time	Received By:
<i>[Signature]</i>	4:00pm 10-27-00	<i>[Signature]</i>

Special Instructions: 20000822



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000822
 DATE REPORTED: 29-Oct-00
 DATE RECEIVED: 27-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21956		QC Prep Batch Number:			Collection: 10/27/2000		Time: 13:30		
Client ID: NT-1-4C		Sample Description:							
1,1,1-Trichloroethane	57	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Trichloroethene	2270	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Sample Number: 21957		QC Prep Batch Number:			Collection: 10/27/2000		Time: 13:30		
Client ID: NT-2-4C		Sample Description:							
1,1,1-Trichloroethane	22	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Trichloroethene	1550	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Sample Number: 21958		QC Prep Batch Number:			Collection: 10/27/2000		Time: 13:30		
Client ID: NT-3-4C		Sample Description:							
1,1,1-Trichloroethane	9.6	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Trichloroethene	1450	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Sample Number: 21959		QC Prep Batch Number:			Collection: 10/27/2000		Time: 13:30		
Client ID: NT-4-4C		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Trichloroethene	622	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Sample Number: 21960		QC Prep Batch Number:			Collection: 10/27/2000		Time: 13:30		
Client ID: NT-5-4C		Sample Description:							
1,1,1-Trichloroethane	8.2	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Trichloroethene	1270	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Sample Number: 21961		QC Prep Batch Number:			Collection: 10/27/2000		Time: 13:30		
Client ID: NT-6-4C		Sample Description:							
1,1,1-Trichloroethane	15	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Trichloroethene	2000	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Sample Number: 21962		QC Prep Batch Number:			Collection: 10/27/2000		Time: 13:30		
Client ID: NT-7-4C		Sample Description:							
1,1,1-Trichloroethane	24	ug/kg	0.03	0.08	1	8082	jsc		0/27/200
Trichloroethene	1460	ug/kg	0.03	0.08	1	8082	jsc		0/27/200



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Larry Wehrheim
 Key Engineering Group, LTD.
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000822
 DATE REPORTED: 29-Oct-00
 DATE RECEIVED: 27-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21963									
Client ID: NT-8-4C									
QC Prep Batch Number:			Collection: 10/27/2000			Time: 13:30			
Sample Description:									
1,1,1-Trichloroethane	15	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Trichloroethene	618	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Sample Number: 21964									
Client ID: ST-1-1D									
QC Prep Batch Number:			Collection: 10/27/2000			Time: 14:15			
Sample Description:									
1,1,1-Trichloroethane	32	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Trichloroethene	6100	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Sample Number: 21965									
Client ID: ST-2-1D									
QC Prep Batch Number:			Collection: 10/27/2000			Time: 14:15			
Sample Description:									
1,1,1-Trichloroethane	19	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Trichloroethene	7720	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Sample Number: 21966									
Client ID: ST-3-1D									
QC Prep Batch Number:			Collection: 10/27/2000			Time: 14:15			
Sample Description:									
1,1,1-Trichloroethane	16	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Trichloroethene	7190	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Sample Number: 21967									
Client ID: ST-4-1D									
QC Prep Batch Number:			Collection: 10/27/2000			Time: 14:15			
Sample Description:									
1,1,1-Trichloroethane	12	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Trichloroethene	4340	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Sample Number: 21968									
Client ID: ST-5-1D									
QC Prep Batch Number:			Collection: 10/27/2000			Time: 14:15			
Sample Description:									
1,1,1-Trichloroethane	10	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Trichloroethene	4890	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Sample Number: 21969									
Client ID: ST-6-1D									
QC Prep Batch Number:			Collection: 10/27/2000			Time: 14:15			
Sample Description:									
1,1,1-Trichloroethane	17	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Trichloroethene	6300	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200



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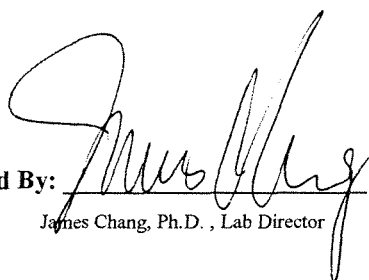
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000822
 DATE REPORTED: 29-Oct-00
 DATE RECEIVED: 27-Oct-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumsch

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 21970		QC Prep Batch Number:			Collection: 10/27/2000		Time: 14:15		
Client ID: ST-7-1D		Sample Description:							
1,1,1-Trichloroethane	19	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Trichloroethene	7720	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Sample Number: 21971		QC Prep Batch Number:			Collection: 10/27/2000		Time: 14:15		
Client ID: ST-8-1D		Sample Description:							
1,1,1-Trichloroethane	15	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Trichloroethene	2900	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Sample Number: 21972		QC Prep Batch Number:			Collection: 10/27/2000		Time:		
Client ID: Methanol Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	jsc		/ 0/27/200

Approved By:  Date: 10/29/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.145 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223

Phone: (414) 355-5888 Fax: (414) 355-3099

Project Name: Leumensch
1007010

Project ID:
1007010

Project Manager: Larry Wehrheim

Company: Key Engineering Group, LTD.

Address: W66 N215 Commerce Court

City/State/Zip: Cedarburg, WI 53012

Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl E. Methanol 200008014
 B. HNO3 F. Filtered Preservation /
 C. NaOH G. None Filtration Code
 D. H2SO4 H. Others

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil	✓																	
	Soil	✓																	
	Soil	✓																	
	Soil	✓																	
	Soil	✓																	
Solid %	Soil	✓																	
TCA, TCE Analysis by <u>ECD</u>	Soil	✓																	
Additional Information:	Collection Time	2:30	3:00																
	Collection Date	11-1-00																	
	Sample ID	ST-2-2D	ST-6-2D	NT-1-5C	NT-2-5C	NT-3-5C	NT-4-5C	NT-5-5C	NT-6-5C	NT-7-5C	NT-8-5C	Methanol Blank							
	Lab ID																		

Relinquished By:	Date/Time	Received By:	Special Instructions:
<u>Todd [Signature]</u>	4:00 p.m. 11-1-00	<u>[Signature]</u>	



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000836
 DATE REPORTED: 03-Nov-00
 DATE RECEIVED: 01-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh 10070

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 22036									
Client ID: ST-2-2D									
QC Prep Batch Number:					Collection: 11/1/2000		Time: 14:30		
Sample Description:									
1,1,1-Trichloroethane	37	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	5860	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Sample Number: 22037									
Client ID: ST-6-2D									
QC Prep Batch Number:					Collection: 11/1/2000		Time: 14:30		
Sample Description:									
1,1,1-Trichloroethane	34	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	6750	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Sample Number: 22038									
Client ID: NT-1-5C									
QC Prep Batch Number:					Collection: 11/1/2000		Time: 15:00		
Sample Description:									
1,1,1-Trichloroethane	29	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	1150	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Sample Number: 22039									
Client ID: NT-2-5C									
QC Prep Batch Number:					Collection: 11/1/2000		Time: 15:00		
Sample Description:									
1,1,1-Trichloroethane	41	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	1850	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Sample Number: 22040									
Client ID: NT-3-5C									
QC Prep Batch Number:					Collection: 11/1/2000		Time: 15:00		
Sample Description:									
1,1,1-Trichloroethane	23	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	1180	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Sample Number: 22041									
Client ID: NT-4-5C									
QC Prep Batch Number:					Collection: 11/1/2000		Time: 15:00		
Sample Description:									
1,1,1-Trichloroethane	21	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	1470	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Sample Number: 22042									
Client ID: NT-5-5C									
QC Prep Batch Number:					Collection: 11/1/2000		Time: 15:00		
Sample Description:									
1,1,1-Trichloroethane	22	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	1780	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000



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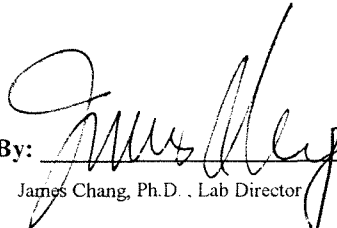
Larry Wehrheim
 Key Engineering Group. LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000836
 DATE REPORTED: 03-Nov-00
 DATE RECEIVED: 01-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh 10070

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 22043		QC Prep Batch Number:		Collection: 11/1/2000		Time: 15:00			
Client ID: NT-6-5C		Sample Description:							
1,1,1-Trichloroethane	25	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	1320	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Sample Number: 22044		QC Prep Batch Number:		Collection: 11/1/2000		Time: 15:00			
Client ID: NT-7-5C		Sample Description:							
1,1,1-Trichloroethane	33	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	1310	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Sample Number: 22045		QC Prep Batch Number:		Collection: 11/1/2000		Time: 15:00			
Client ID: NT-8-5C		Sample Description:							
1,1,1-Trichloroethane	37	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	1190	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Sample Number: 22046		QC Prep Batch Number:		Collection: 11/1/2000		Time:			
Client ID: Methanol Blank		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	jsc		/ 11/2/2000

Approved By: 

Date: 12/3/00

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223

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20000814

Project Name: Tecumseh

Project ID: 1007010

Project Manager: Larry Wehrheim

Company: Key Engineering Group, LTD.

Address: W66 N215 Commerce Court

City/State/Zip: Cedarburg, WI 53012

Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
	Soil	Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded	
	Soil	Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded	
	Soil	Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded	
	Soil	Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded	
	Soil	Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded		Shaded	
Solid %	Soil	X	X																
TCA, TCE Analysis	Soil	X	X																
Additional Information:	Collection Time	5:15	9:00																
	Collection Date	11/14/00	11/14/00																
	Sample ID	NT-4-6C	NT-5-6C																
	Lab ID	2246	2247																

Relinquished By:	Date/Time	Received By:	Special Instructions:
<i>W. M. Probst</i>	11/14/00 Soil	<i>[Signature]</i>	



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 Cedarburg, WI 53012

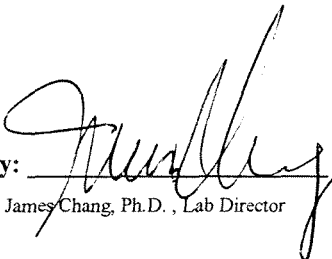
ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000860
 DATE REPORTED: 15-Nov-00
 DATE RECEIVED: 14-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 22146		QC Prep Batch Number:			Collection: 11/14/2000		Time: 14:15		
Client ID: NT-4-6C		Sample Description:							
1,1,1-Trichloroethane	9.4	ug/kg	0.03	0.08	1	8082	jsc	/	1/14/200
Trichloroethene	765	ug/kg	0.03	0.08	1	8082	jsc	/	1/14/200

Sample Number: 22147		QC Prep Batch Number:			Collection: 11/14/2000		Time: 14:20		
Client ID: NT-5-6C		Sample Description:							
1,1,1-Trichloroethane	8.3	ug/kg	0.03	0.08	1	8082	jsc	/	1/14/200
Trichloroethene	799	ug/kg	0.03	0.08	1	8082	jsc	/	1/14/200

Approved By:  Date: 11/15/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 $LOQ = 10 (S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value. over calibration range.
 $LOD = 3.143 (S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
 Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

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Project Name: Tecumseh Grafton
 Project ID: 1007010

Project Manager: Larry Wehrheim
 Company: Key Engineering Group, LTD.
 Address: W66 N215 Commerce Court
 City/State/Zip: Cedarburg, WI 53012
 Phone: (262)-375-4750 Fax: (262)-375-9680

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 200008014
 Preservation / Filtration Code

Test Required

Matrix

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Soil																	
	Soil																	
	Soil																	
	Soil																	
	Soil																	
Solid %	Soil	X	X	X	X													
TCA, TCE Analysis	Soil	X	X	X	X													

Additional Information:

Collection Time

Collection Date

Sample ID

Lab ID

Collection Time	Collection Date	Sample ID	Lab ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	11/15	NT-3-7C																		
		NT-4-7C																		
		NT-5-7C																		
		NT-6-7C																		
		Methanol Blank																		
	11/15																			

COC#

Relinquished By:	Date/Time	Received By:
<u>Larry Wehrheim</u>	<u>11/15/00</u> <u>15:35</u>	<u>[Signature]</u>

Special Instructions:



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 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000867
 DATE REPORTED: 16-Nov-00
 DATE RECEIVED: 15-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 22170		QC Prep Batch Number:		Collection: 11/15/2000		Time: 12:00			
Client ID: NT-3-7C		Sample Description:							
1,1,1-Trichloroethane	11	ug/kg	0.03	0.08	1	8082	jsc		/ 1/15/200
Trichloroethene	847	ug/kg	0.03	0.08	1	8082	jsc		/ 1/15/200
Sample Number: 22171		QC Prep Batch Number:		Collection: 11/15/2000		Time: 12:00			
Client ID: NT-4-7C		Sample Description:							
1,1,1-Trichloroethane	10	ug/kg	0.03	0.08	1	8082	jsc		/ 1/15/200
Trichloroethene	475	ug/kg	0.03	0.08	1	8082	jsc		/ 1/15/200
Sample Number: 22172		QC Prep Batch Number:		Collection: 11/15/2000		Time: 12:00			
Client ID: NT-5-7C		Sample Description:							
1,1,1-Trichloroethane	7.9	ug/kg	0.03	0.08	1	8082	jsc		/ 1/15/200
Trichloroethene	524	ug/kg	0.03	0.08	1	8082	jsc		/ 1/15/200
Sample Number: 22173		QC Prep Batch Number:		Collection: 11/15/2000		Time: 12:00			
Client ID: NT-6-7C		Sample Description:							
1,1,1-Trichloroethane	12	ug/kg	0.03	0.08	1	8082	jsc		/ 1/15/200
Trichloroethene	772	ug/kg	0.03	0.08	1	8082	jsc		/ 1/15/200
Sample Number: 22174		QC Prep Batch Number:		Collection: 11/15/2000		Time: 12:00			
Client ID: Methanol		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jsc		/ 1/15/200
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	jsc		/ 1/15/200



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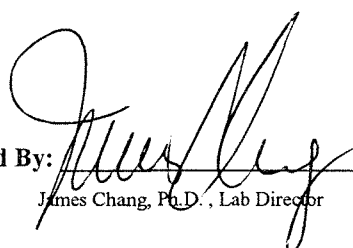
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000867
 DATE REPORTED: 16-Nov-00
 DATE RECEIVED: 15-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By: 

James Chang, Ph.D., Lab Director

Date: 11, 16, 00

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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Larry Wehrheim
 Key Engineering Group, LTD.
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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000867
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 15-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh
 Matrix: Soil

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 22170		QC Batch Number: 995671				Collection: 11/15/2000		Time: 12:00	
Client ID: NT-3-7C		%Solid: 104.3094		Sample Description:					
1,1,1-Trichloroethane	< 15	ug/kg	15	48	1	8260	qh		1/16/2000
1,1,2,2-Tetrachloroethane	< 21	ug/kg	21	67	1	8260	qh		1/16/2000
1,1,2-Trichloroethane	< 21	ug/kg	21	67	1	8260	qh		1/16/2000
1,1-Dichloroethane	< 15	ug/kg	15	48	1	8260	qh		1/16/2000
1,1-Dichloroethene	< 16	ug/kg	16	51	1	8260	qh		1/16/2000
1,2,3-Trichlorobenzene	< 24	ug/kg	24	76	1	8260	qh		1/16/2000
1,2,4-Trichlorobenzene	< 22	ug/kg	22	70	1	8260	qh		1/16/2000
1,2,4-Trimethylbenzene	< 14	ug/kg	14	45	1	8260	qh		1/16/2000
1,2-Dibromo-3-chloropropan	< 16	ug/kg	16	51	1	8260	qh		1/16/2000
1,2-Dichlorobenzene	< 16	ug/kg	16	51	1	8260	qh		1/16/2000
1,2-Dichloroethane	< 17	ug/kg	17	54	1	8260	qh		1/16/2000
1,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	qh		1/16/2000
1,3,5-Trimethylbenzene	< 16	ug/kg	16	51	1	8260	qh		1/16/2000
1,3-Dichlorobenzene	< 12	ug/kg	12	38	1	8260	qh		1/16/2000
1,3-Dichloropropane	< 19	ug/kg	19	60	1	8260	qh		1/16/2000
1,4-Dichlorobenzene	< 17	ug/kg	17	54	1	8260	qh		1/16/2000
2,2-Dichloropropane	< 13	ug/kg	13	41	1	8260	qh		1/16/2000
2-Chlorotoluene	< 14	ug/kg	14	45	1	8260	qh		1/16/2000
4-Chlorotoluene	< 13	ug/kg	13	41	1	8260	qh		1/16/2000
Benzene	< 13	ug/kg	13	41	1	8260	qh		1/16/2000
Bromobenzene	< 15	ug/kg	15	48	1	8260	qh		1/16/2000
Bromodichloromethane	< 18	ug/kg	18	57	1	8260	qh		1/16/2000
Carbon tetrachloride	< 13	ug/kg	13	41	1	8260	qh		1/16/2000
Chlorobenzene	< 12	ug/kg	12	38	1	8260	qh		1/16/2000
Chloroethane	< 30	ug/kg	30	95	1	8260	qh		1/16/2000
Chloroform	< 12	ug/kg	12	38	1	8260	qh		1/16/2000
Chloromethane	< 24	ug/kg	24	76	1	8260	qh		1/16/2000
cis-1,2-Dichloroethene	< 13	ug/kg	13	41	1	8260	qh		1/16/2000
Dibromochloromethane	< 20	ug/kg	20	64	1	8260	qh		1/16/2000
Dichlorodifluoromethane	< 13	ug/kg	13	41	1	8260	qh		1/16/2000
Ethylbenzene	< 12	ug/kg	12	38	1	8260	qh		1/16/2000
Hexachlorobutadiene	< 20	ug/kg	20	64	1	8260	qh		1/16/2000
Isopropyl Ether	< 14	ug/kg	14	45	1	8260	qh		1/16/2000
Isopropylbenzene	< 16	ug/kg	16	51	1	8260	qh		1/16/2000
m&p-xylene	< 26	ug/kg	26	83	1	8260	qh		1/16/2000
Methylene chloride	< 15	ug/kg	15	48	1	8260	qh		1/16/2000
MTBE	< 19	ug/kg	19	60	1	8260	qh		1/16/2000
n-Butylbenzene	< 17	ug/kg	17	54	1	8260	qh		1/16/2000



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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000867
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 15-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh
 Matrix: Soil

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
n-Propylbenzene	< 14	ug/kg	14	45	1	8260	qh		1/16/200
Naphthalene	< 36	ug/kg	36	115	1	8260	qh		1/16/200
o-xylene	< 12	ug/kg	12	38	1	8260	qh		1/16/200
p-Isopropyltoluene	< 15	ug/kg	15	48	1	8260	qh		1/16/200
sec-Butylbenzene	< 16	ug/kg	16	51	1	8260	qh		1/16/200
tert-Butylbenzene	< 14	ug/kg	14	45	1	8260	qh		1/16/200
Tetrachloroethene	< 15	ug/kg	15	48	1	8260	qh		1/16/200
Toluene	< 14	ug/kg	14	45	1	8260	qh		1/16/200
trans-1,2-Dichloroethene	< 12	ug/kg	12	38	1	8260	qh		1/16/200
Trichloroethene	858	ug/kg	17	54	1	8260	qh		1/16/200
Trichlorofluoromethane	< 12	ug/kg	12	38	1	8260	qh		1/16/200
Vinyl chloride	< 10	ug/kg	10	32	1	8260	qh		1/16/200

APL Sample Number: 22173
 Client ID: NT-6-7C

QC Batch Number: 995671
 %Solid: 93.7112

Collection: 11/15/2000 Time: 12:00
 Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260	qh		1/16/200
1,1,2,2-Tetrachloroethane	< 23	ug/kg	23	73	1	8260	qh		1/16/200
1,1,2-Trichloroethane	< 23	ug/kg	23	73	1	8260	qh		1/16/200
1,1-Dichloroethane	< 17	ug/kg	17	54	1	8260	qh		1/16/200
1,1-Dichloroethene	< 18	ug/kg	18	57	1	8260	qh		1/16/200
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	qh		1/16/200
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260	qh		1/16/200
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1	8260	qh		1/16/200
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	qh		1/16/200
1,2-Dichlorobenzene	< 18	ug/kg	18	57	1	8260	qh		1/16/200
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	qh		1/16/200
1,2-Dichloropropane	< 17	ug/kg	17	54	1	8260	qh		1/16/200
1,3,5-Trimethylbenzene	< 18	ug/kg	18	57	1	8260	qh		1/16/200
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	qh		1/16/200
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260	qh		1/16/200
1,4-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	qh		1/16/200
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	qh		1/16/200
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	qh		1/16/200
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260	qh		1/16/200
Benzene	< 14	ug/kg	14	45	1	8260	qh		1/16/200
Bromobenzene	< 17	ug/kg	17	54	1	8260	qh		1/16/200
Bromodichloromethane	< 20	ug/kg	20	64	1	8260	qh		1/16/200
Carbon tetrachloride	< 14	ug/kg	14	45	1	8260	qh		1/16/200
Chlorobenzene	< 14	ug/kg	14	45	1	8260	qh		1/16/200
Chloroethane	< 34	ug/kg	34	108	1	8260	qh		1/16/200



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Larry Wehrheim
Key Engineering Group, LTD.
W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000867

DATE REPORTED: 17-Nov-00

DATE RECEIVED: 15-Nov-00

SAMPLE TEMP (C): Rec On Ice

PROJECT ID: 1007010

PROJECT NAME: Tecumseh

Matrix: Soil

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
Chloroform	< 13	ug/kg	13	41	1	8260	qh		1/16/200
Chloromethane	< 26	ug/kg	26	83	1	8260	qh		1/16/200
cis-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	qh		1/16/200
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	qh		1/16/200
Dichlorodifluoromethane	< 14	ug/kg	14	45	1	8260	qh		1/16/200
Ethylbenzene	< 13	ug/kg	13	41	1	8260	qh		1/16/200
Hexachlorobutadiene	< 22	ug/kg	22	70	1	8260	qh		1/16/200
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	qh		1/16/200
Isopropylbenzene	< 17	ug/kg	17	54	1	8260	qh		1/16/200
m&p-xylene	< 29	ug/kg	29	92	1	8260	qh		1/16/200
Methylene chloride	< 16	ug/kg	16	51	1	8260	qh		1/16/200
MTBE	< 21	ug/kg	21	67	1	8260	qh		1/16/200
n-Butylbenzene	< 19	ug/kg	19	60	1	8260	qh		1/16/200
n-Propylbenzene	< 15	ug/kg	15	48	1	8260	qh		1/16/200
Naphthalene	< 40	ug/kg	40	127	1	8260	qh		1/16/200
o-xylene	< 13	ug/kg	13	41	1	8260	qh		1/16/200
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260	qh		1/16/200
sec-Butylbenzene	< 18	ug/kg	18	57	1	8260	qh		1/16/200
tert-Butylbenzene	< 16	ug/kg	16	51	1	8260	qh		1/16/200
Tetrachloroethene	< 16	ug/kg	16	51	1	8260	qh		1/16/200
Toluene	< 16	ug/kg	16	51	1	8260	qh		1/16/200
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	qh		1/16/200
Trichloroethene	823	ug/kg	18	57	1	8260	qh		1/16/200
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260	qh		1/16/200
Vinyl chloride	< 11	ug/kg	11	35	1	8260	qh		1/16/200



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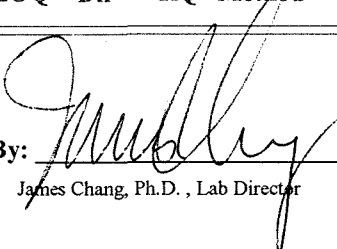
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000867
 DATE REPORTED: 17-Nov-00
 DATE RECEIVED: 15-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh
 Matrix: Soil

Test	Result	Units	LOD	LOQ	Dil	RQ Method	Analyst	Date Ext.	Date Anal.
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Approved By: 

James Chang, Ph.D., Lab Director

Date: 11.17.00

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.

LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)

LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)

RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance. April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000886
 DATE REPORTED: 28-Nov-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 22246									
Client ID: NT-1-8c									
		QC Prep Batch Number: 995777				Collection: 11/27/2000		Time: 14:15	
Sample Description:									
1,1,1-Trichloroethane	33	ug/kg	0.03	0.08	1	8082	jsc		/ 1/27/200
Trichloroethene	1150	ug/kg	0.03	0.08	1	8082	jsc		/ 1/27/200
Sample Number: 22247									
Client ID: NT-2-8c									
		QC Prep Batch Number: 995777				Collection: 11/27/2000		Time: 14:15	
Sample Description:									
1,1,1-Trichloroethane	20	ug/kg	0.03	0.08	1	8082	jsc		/ 1/27/200
Trichloroethene	1120	ug/kg	0.03	0.08	1	8082	jsc		/ 1/27/200
Sample Number: 22248									
Client ID: NT-7-8c									
		QC Prep Batch Number: 995777				Collection: 11/27/2000		Time: 14:15	
Sample Description:									
1,1,1-Trichloroethane	30	ug/kg	0.03	0.08	1	8082	jsc		/ 1/27/200
Trichloroethene	968	ug/kg	0.03	0.08	1	8082	jsc		/ 1/27/200
Sample Number: 22249									
Client ID: NT-8-8c									
		QC Prep Batch Number: 995777				Collection: 11/27/2000		Time: 14:15	
Sample Description:									
1,1,1-Trichloroethane	21	ug/kg	0.03	0.08	1	8082	jsc		/ 1/27/200
Trichloroethene	803	ug/kg	0.03	0.08	1	8082	jsc		/ 1/27/200
Sample Number: 22250									
Client ID: Blank									
		QC Prep Batch Number: 995777				Collection: 11/27/2000		Time: 14:15	
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jsc		/ 1/27/200
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	jsc		/ 1/27/200



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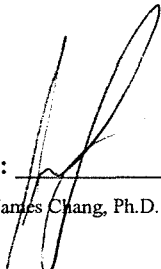
Larry Wehrheim
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000886
 DATE REPORTED: 28-Nov-00
 DATE RECEIVED: 27-Nov-00
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:  Date: 11/29/00
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 $LOQ = 10 (S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 $LOD = 3.143 (S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
 Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: **TECUMSEH - GRAFTON**

Project ID: **# 1009010**

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **466 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN, WI 53012**

Phone: **262-325-7750** Fax: **262-325-7750**

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required

Matrix

Test	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
01 TCE/TRA (ECD)	SOIL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
02 TCE/TRA (GC/MS)	SOIL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
03 % SOLIDS		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
04 Blank TCE/TRA (ECD)	Blank								X									
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
14																		
15																		

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
2:45	6-20-01	ST-1-3D	24599	20010407
2:50		ST-2-3D	24600	
2:55		ST-3-3D	24601	
2:55		ST-4-3D	24602	
2:55		ST-5-3D	24603	
3:00		ST-6-3D	24604	
3:00		ST-7-3D	24605	
3:00		ST-8-3D	24606	
3:10		Methanol Blank	24607	
3:15		NT-2-9C	24608	
3:15		NT-3-9C	24609	
3:15		NT-4-9C	24610	
3:20		NT-5-9C	24611	
3:20		NT-6-9C	24612	
3:30		NT-7-9C	24613	

Relinquished By: <i>Todd [Signature]</i>	Date/Time: 6-20-01	Received By: <i>[Signature]</i>
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Special Instructions: GCMS 2 samples; all samples are under 1.0 in (NT Samples)

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: **TECUMSEH - GRAFTON**

Project ID: **# 1009010**

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **W66 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN 53018**

Phone: **262-325-7750** Fax: **262-325-2700**

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix	Preservation / Filtration Code															
01 TCE/TRA (ECD)	SOIL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
02 TCE/TRA (GC/MS)	SOIL																
03 % SOLIDS		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
04 Blank TCE/TRA (ECD)	Blank									X							
06 Per Discussion w/ Mr. Hoffart																	
07 on 6/2/01 add following test																	
10 VOCs		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12 and Rush Sample 24600																	

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
2:45	6-20-01	ST-1-3D	24599	20010407
2:50		ST-2-3D	24600	
2:55		ST-3-3D	24601	
2:55		ST-4-3D	24602	
2:55		ST-5-3D	24603	
3:00		ST-6-3D	24604	
3:00		ST-7-3D	24605	
3:00		ST-8-3D	24606	
3:10		Methanol Blank	24607	
3:15		NT-2-9C	24608	
3:15		NT-3-9C	24609	
3:15		NT-4-9C	24610	
3:20		NT-5-9C	24611	
3:20		NT-6-9C	24612	
3:30		NT-7-9C	24613	

Relinquished By: [Signature] Date/Time: 6-20-01 2:45 Received By: [Signature]

Special Instructions: GCMS 2 samples if all samples are under 1.0 in (NT) samples



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 21-Jun-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24599		QC Prep Batch Number: 997360			Collection: 6/20/2001		Time: 14:45		
Client ID: ST-1-3-D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Trichloroethene	126	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Sample Number: 24600		QC Prep Batch Number: 997360			Collection: 6/20/2001		Time: 14:50		
Client ID: ST-2-3D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Trichloroethene	539	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Sample Number: 24601		QC Prep Batch Number: 997360			Collection: 6/20/2001		Time: 14:55		
Client ID: ST-3-3D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Trichloroethene	174	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Sample Number: 24602		QC Prep Batch Number: 997360			Collection: 6/20/2001		Time: 14:55		
Client ID: ST-4-3D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Trichloroethene	89	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Sample Number: 24603		QC Prep Batch Number: 997360			Collection: 6/20/2001		Time: 14:55		
Client ID: ST--5-3D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Trichloroethene	233	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Sample Number: 24604		QC Prep Batch Number: 997360			Collection: 6/20/2001		Time: 15:00		
Client ID: ST-6-3D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Trichloroethene	245	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Sample Number: 24605		QC Prep Batch Number: 997360			Collection: 6/20/2001		Time: 15:00		
Client ID: ST-7-3D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001
Trichloroethene	114	ug/kg	0.03	0.08	1	8082	jc		/ 6/20/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 21-Jun-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24606									
Client ID: ST-8-3D									
QC Prep Batch Number: 997360									
Collection: 6/20/2001									
Time: 15:00									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Trichloroethene	103	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Sample Number: 24607									
Client ID: METH Blank									
QC Prep Batch Number: 997360									
Collection: 6/20/2001									
Time: 15:10									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Sample Number: 24608									
Client ID: NT-2-9C									
QC Prep Batch Number: 997360									
Collection: 6/20/2001									
Time: 15:15									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Trichloroethene	39	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Sample Number: 24609									
Client ID: NT-3-9C									
QC Prep Batch Number: 997360									
Collection: 6/20/2001									
Time: 15:15									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Trichloroethene	96	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Sample Number: 24610									
Client ID: NT-4-9C									
QC Prep Batch Number: 997360									
Collection: 6/20/2001									
Time: 15:15									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Trichloroethene	49	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Sample Number: 24611									
Client ID: NT-5-9C									
QC Prep Batch Number: 997360									
Collection: 6/20/2001									
Time: 15:20									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Trichloroethene	60	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Sample Number: 24612									
Client ID: NT-6-9C									
QC Prep Batch Number: 997360									
Collection: 6/20/2001									
Time: 15:20									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Trichloroethene	71	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001



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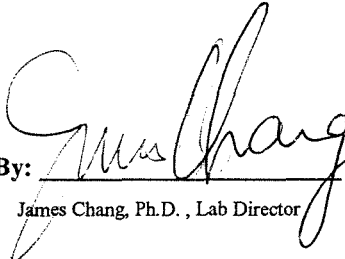
Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 21-Jun-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24613		QC Prep Batch Number: 997360			Collection: 6/20/2001		Time: 15:30		
Client ID: NT-7-9C		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001
Trichloroethene	236	ug/kg	0.03	0.08	1		8082	jc	/ 6/20/2001

Approved By:  Date: 6/21/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24600		QC Prep Batch Number: 997390		Collection: 6/20/2001		Time: 14:50			
Client ID: ST-2-3D		% Solid = 93 %		Sample Description:					
1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260	Admin		/ 6/21/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	75	1	8260	Admin		/ 6/21/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	75	1	8260	Admin		/ 6/21/2001
1,1-Dichloroethane	< 17	ug/kg	17	55	1	8260	Admin		/ 6/21/2001
1,1-Dichloroethene	< 18	ug/kg	18	58	1	8260	Admin		/ 6/21/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	85	1	8260	Admin		/ 6/21/2001
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260	Admin		/ 6/21/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1	8260	Admin		/ 6/21/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	Admin		/ 6/21/2001
1,2-Dichlorobenzene	< 18	ug/kg	18	58	1	8260	Admin		/ 6/21/2001
1,2-Dichloroethane	< 19	ug/kg	19	59	1	8260	Admin		/ 6/21/2001
1,2-Dichloropropane	< 17	ug/kg	17	55	1	8260	Admin		/ 6/21/2001
1,3,5-Trimethylbenzene	< 18	ug/kg	18	59	1	8260	Admin		/ 6/21/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	Admin		/ 6/21/2001
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260	Admin		/ 6/21/2001
1,4-Dichlorobenzene	< 19	ug/kg	19	61	1	8260	Admin		/ 6/21/2001
2,2-Dichloropropane	< 15	ug/kg	15	47	1	8260	Admin		/ 6/21/2001
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	Admin		/ 6/21/2001
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260	Admin		/ 6/21/2001
Benzene	< 14	ug/kg	14	46	1	8260	Admin		/ 6/21/2001
Bromobenzene	< 17	ug/kg	17	53	1	8260	Admin		/ 6/21/2001
Bromodichloromethane	< 21	ug/kg	21	66	1	8260	Admin		/ 6/21/2001
Carbon tetrachloride	< 14	ug/kg	14	46	1	8260	Admin		/ 6/21/2001
Chlorobenzene	< 14	ug/kg	14	45	1	8260	Admin		/ 6/21/2001
Chloroethane	< 34	ug/kg	34	109	1	8260	Admin		/ 6/21/2001
Chloroform	< 13	ug/kg	13	41	1	8260	Admin		/ 6/21/2001
Chloromethane	< 27	ug/kg	27	84	1	8260	Admin		/ 6/21/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	46	1	8260	Admin		/ 6/21/2001
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	Admin		/ 6/21/2001
Dichlorodifluoromethane	< 14	ug/kg	14	46	1	8260	Admin		/ 6/21/2001
Ethylbenzene	< 14	ug/kg	14	43	1	8260	Admin		/ 6/21/2001
Hexachlorobutadiene	< 22	ug/kg	22	72	1	8260	Admin		/ 6/21/2001
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	Admin		/ 6/21/2001
Isopropylbenzene	< 18	ug/kg	18	56	1	8260	Admin		/ 6/21/2001
m&p-xylene	< 29	ug/kg	29	91	1	8260	Admin		/ 6/21/2001
Methylene chloride	< 16	ug/kg	16	52	1	8260	Admin		/ 6/21/2001
MTBE	< 21	ug/kg	21	67	1	8260	Admin		/ 6/21/2001
n-Butylbenzene	< 19	ug/kg	19	61	1	8260	Admin		/ 6/21/2001
n-Propylbenzene	< 15	ug/kg	15	48	1	8260	Admin		/ 6/21/2001

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 41	ug/kg	41	129	1	8260	Admin		/ 6/21/2001
o-xylene	< 13	ug/kg	13	43	1	8260	Admin		/ 6/21/2001
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260	Admin		/ 6/21/2001
sec-Butylbenzene	< 18	ug/kg	18	58	1	8260	Admin		/ 6/21/2001
tert-Butylbenzene	< 16	ug/kg	16	52	1	8260	Admin		/ 6/21/2001
Tetrachloroethene	< 16	ug/kg	16	52	1	8260	Admin		/ 6/21/2001
Toluene	< 16	ug/kg	16	50	1	8260	Admin		/ 6/21/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	43	1	8260	Admin		/ 6/21/2001
Trichloroethene	615	ug/kg	19	59	1	8260	Admin		/ 6/21/2001
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260	Admin		/ 6/21/2001
Vinyl chloride	< 11	ug/kg	11	37	1	8260	Admin		/ 6/21/2001

Sample Number: 24602

QC Prep Batch Number: 997487

Collection: 6/20/2001

Time: 14:55

Client ID: ST-4-3D

% Solid = 92.3 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260	qh		/ 6/22/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260	qh		/ 6/22/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	qh		/ 6/22/2001
1,1-Dichloroethane	< 17	ug/kg	17	55	1	8260	qh		/ 6/22/2001
1,1-Dichloroethene	< 19	ug/kg	19	59	1	8260	qh		/ 6/22/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	qh		/ 6/22/2001
1,2,4-Trichlorobenzene	< 25	ug/kg	25	81	1	8260	qh		/ 6/22/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1	8260	qh		/ 6/22/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	qh		/ 6/22/2001
1,2-Dichlorobenzene	< 18	ug/kg	18	59	1	8260	qh		/ 6/22/2001
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	qh		/ 6/22/2001
1,2-Dichloropropane	< 17	ug/kg	17	56	1	8260	qh		/ 6/22/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	59	1	8260	qh		/ 6/22/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	qh		/ 6/22/2001
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260	qh		/ 6/22/2001
1,4-Dichlorobenzene	< 19	ug/kg	19	61	1	8260	qh		/ 6/22/2001
2,2-Dichloropropane	< 15	ug/kg	15	47	1	8260	qh		/ 6/22/2001
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	qh		/ 6/22/2001
4-Chlorotoluene	< 14	ug/kg	14	46	1	8260	qh		/ 6/22/2001
Benzene	< 15	ug/kg	15	46	1	8260	qh		/ 6/22/2001
Bromobenzene	< 17	ug/kg	17	54	1	8260	qh		/ 6/22/2001
Bromodichloromethane	< 21	ug/kg	21	66	1	8260	qh		/ 6/22/2001
Carbon tetrachloride	< 15	ug/kg	15	46	1	8260	qh		/ 6/22/2001
Chlorobenzene	< 14	ug/kg	14	45	1	8260	qh		/ 6/22/2001
Chloroethane	< 34	ug/kg	34	110	1	8260	qh		/ 6/22/2001
Chloroform	< 13	ug/kg	13	42	1	8260	qh		/ 6/22/2001
Chloromethane	< 27	ug/kg	27	85	1	8260	qh		/ 6/22/2001

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	/ 6/22/2001
Dibromochloromethane	< 22	ug/kg	22	70	1		8260	qh	/ 6/22/2001
Dichlorodifluoromethane	< 14	ug/kg	14	46	1		8260	qh	/ 6/22/2001
Ethylbenzene	< 14	ug/kg	14	44	1		8260	qh	/ 6/22/2001
Hexachlorobutadiene	< 23	ug/kg	23	72	1		8260	qh	/ 6/22/2001
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	qh	/ 6/22/2001
Isopropylbenzene	< 18	ug/kg	18	56	1		8260	qh	/ 6/22/2001
m&p-xylene	< 29	ug/kg	29	92	1		8260	qh	/ 6/22/2001
Methylene chloride	< 16	ug/kg	16	52	1		8260	qh	/ 6/22/2001
MTBE	< 21	ug/kg	21	67	1		8260	qh	/ 6/22/2001
n-Butylbenzene	< 19	ug/kg	19	62	1		8260	qh	/ 6/22/2001
n-Propylbenzene	< 15	ug/kg	15	49	1		8260	qh	/ 6/22/2001
Naphthalene	< 41	ug/kg	41	130	1		8260	qh	/ 6/22/2001
o-xylene	< 14	ug/kg	14	43	1		8260	qh	/ 6/22/2001
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	qh	/ 6/22/2001
sec-Butylbenzene	< 18	ug/kg	18	58	1		8260	qh	/ 6/22/2001
tert-Butylbenzene	< 16	ug/kg	16	52	1		8260	qh	/ 6/22/2001
Tetrachloroethene	< 17	ug/kg	17	53	1		8260	qh	/ 6/22/2001
Toluene	< 16	ug/kg	16	50	1		8260	qh	/ 6/22/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	qh	/ 6/22/2001
Trichloroethene	51	ug/kg	19	59	1	J	8260	qh	/ 6/22/2001
Trichlorofluoromethane	< 13	ug/kg	13	42	1		8260	qh	/ 6/22/2001
Vinyl chloride	< 12	ug/kg	12	37	1		8260	qh	/ 6/22/2001

Sample Number: 24604

QC Prep Batch Number: 997487

Collection: 6/20/2001

Time: 15:00

Client ID: ST-6-3D

% Solid = 91.6 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1		8260	qh	/ 6/22/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1		8260	qh	/ 6/22/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1		8260	qh	/ 6/22/2001
1,1-Dichloroethane	< 17	ug/kg	17	56	1		8260	qh	/ 6/22/2001
1,1-Dichloroethene	< 19	ug/kg	19	59	1		8260	qh	/ 6/22/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	qh	/ 6/22/2001
1,2,4-Trichlorobenzene	< 26	ug/kg	26	81	1		8260	qh	/ 6/22/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1		8260	qh	/ 6/22/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	58	1		8260	qh	/ 6/22/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	59	1		8260	qh	/ 6/22/2001
1,2-Dichloroethane	< 19	ug/kg	19	60	1		8260	qh	/ 6/22/2001
1,2-Dichloropropane	< 18	ug/kg	18	56	1		8260	qh	/ 6/22/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1		8260	qh	/ 6/22/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	qh	/ 6/22/2001
1,3-Dichloropropane	< 21	ug/kg	21	68	1		8260	qh	/ 6/22/2001

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,4-Dichlorobenzene	< 19	ug/kg	19	62	1	8260	qh		/ 6/22/2001
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	qh		/ 6/22/2001
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260	qh		/ 6/22/2001
4-Chlorotoluene	< 14	ug/kg	14	46	1	8260	qh		/ 6/22/2001
Benzene	< 15	ug/kg	15	47	1	8260	qh		/ 6/22/2001
Bromobenzene	< 17	ug/kg	17	54	1	8260	qh		/ 6/22/2001
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	qh		/ 6/22/2001
Carbon tetrachloride	< 15	ug/kg	15	47	1	8260	qh		/ 6/22/2001
Chlorobenzene	< 14	ug/kg	14	45	1	8260	qh		/ 6/22/2001
Chloroethane	< 35	ug/kg	35	110	1	8260	qh		/ 6/22/2001
Chloroform	< 13	ug/kg	13	42	1	8260	qh		/ 6/22/2001
Chloromethane	< 27	ug/kg	27	86	1	8260	qh		/ 6/22/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1	8260	qh		/ 6/22/2001
Dibromochloromethane	< 22	ug/kg	22	71	1	8260	qh		/ 6/22/2001
Dichlorodifluoromethane	< 15	ug/kg	15	46	1	8260	qh		/ 6/22/2001
Ethylbenzene	< 14	ug/kg	14	44	1	8260	qh		/ 6/22/2001
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	qh		/ 6/22/2001
Isopropyl Ether	< 16	ug/kg	16	52	1	8260	qh		/ 6/22/2001
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	qh		/ 6/22/2001
m&p-xylene	< 29	ug/kg	29	93	1	8260	qh		/ 6/22/2001
Methylene chloride	< 17	ug/kg	17	53	1	8260	qh		/ 6/22/2001
MTBE	< 21	ug/kg	21	68	1	8260	qh		/ 6/22/2001
n-Butylbenzene	< 20	ug/kg	20	62	1	8260	qh		/ 6/22/2001
n-Propylbenzene	< 15	ug/kg	15	49	1	8260	qh		/ 6/22/2001
Naphthalene	< 41	ug/kg	41	131	1	8260	qh		/ 6/22/2001
o-xylene	< 14	ug/kg	14	43	1	8260	qh		/ 6/22/2001
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260	qh		/ 6/22/2001
sec-Butylbenzene	< 18	ug/kg	18	59	1	8260	qh		/ 6/22/2001
tert-Butylbenzene	< 17	ug/kg	17	53	1	8260	qh		/ 6/22/2001
Tetrachloroethene	< 17	ug/kg	17	53	1	8260	qh		/ 6/22/2001
Toluene	< 16	ug/kg	16	51	1	8260	qh		/ 6/22/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1	8260	qh		/ 6/22/2001
Trichloroethene	150	ug/kg	19	60	1	8260	qh		/ 6/22/2001
Trichlorofluoromethane	< 13	ug/kg	13	42	1	8260	qh		/ 6/22/2001
Vinyl chloride	< 12	ug/kg	12	37	1	8260	qh		/ 6/22/2001

Sample Number: 24606

QC Prep Batch Number: 997487

Collection: 6/20/2001

Time: 15:00

Client ID: ST-8-3D

% Solid = 91.3 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	55	1	8260	qh		/ 6/22/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	77	1	8260	qh		/ 6/22/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	qh		/ 6/22/2001

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloroethane	< 18	ug/kg	18	56	1	8260	qh		/ 6/22/2001
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	qh		/ 6/22/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	87	1	8260	qh		/ 6/22/2001
1,2,4-Trichlorobenzene	< 26	ug/kg	26	82	1	8260	qh		/ 6/22/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1	8260	qh		/ 6/22/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	58	1	8260	qh		/ 6/22/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	59	1	8260	qh		/ 6/22/2001
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	qh		/ 6/22/2001
1,2-Dichloropropane	< 18	ug/kg	18	56	1	8260	qh		/ 6/22/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	qh		/ 6/22/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	qh		/ 6/22/2001
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260	qh		/ 6/22/2001
1,4-Dichlorobenzene	< 20	ug/kg	20	62	1	8260	qh		/ 6/22/2001
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	qh		/ 6/22/2001
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260	qh		/ 6/22/2001
4-Chlorotoluene	< 14	ug/kg	14	46	1	8260	qh		/ 6/22/2001
Benzene	< 15	ug/kg	15	47	1	8260	qh		/ 6/22/2001
Bromobenzene	< 17	ug/kg	17	54	1	8260	qh		/ 6/22/2001
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	qh		/ 6/22/2001
Carbon tetrachloride	< 15	ug/kg	15	47	1	8260	qh		/ 6/22/2001
Chlorobenzene	< 14	ug/kg	14	45	1	8260	qh		/ 6/22/2001
Chloroethane	< 35	ug/kg	35	111	1	8260	qh		/ 6/22/2001
Chloroform	< 13	ug/kg	13	42	1	8260	qh		/ 6/22/2001
Chloromethane	< 27	ug/kg	27	86	1	8260	qh		/ 6/22/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1	8260	qh		/ 6/22/2001
Dibromochloromethane	< 22	ug/kg	22	71	1	8260	qh		/ 6/22/2001
Dichlorodifluoromethane	< 15	ug/kg	15	46	1	8260	qh		/ 6/22/2001
Ethylbenzene	< 14	ug/kg	14	44	1	8260	qh		/ 6/22/2001
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	qh		/ 6/22/2001
Isopropyl Ether	< 16	ug/kg	16	52	1	8260	qh		/ 6/22/2001
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	qh		/ 6/22/2001
m&p-xylene	< 29	ug/kg	29	93	1	8260	qh		/ 6/22/2001
Methylene chloride	< 17	ug/kg	17	53	1	8260	qh		/ 6/22/2001
MTBE	< 21	ug/kg	21	68	1	8260	qh		/ 6/22/2001
n-Butylbenzene	< 20	ug/kg	20	62	1	8260	qh		/ 6/22/2001
n-Propylbenzene	< 15	ug/kg	15	49	1	8260	qh		/ 6/22/2001
Naphthalene	< 41	ug/kg	41	131	1	8260	qh		/ 6/22/2001
o-xylene	< 14	ug/kg	14	44	1	8260	qh		/ 6/22/2001
p-Isopropyltoluene	< 17	ug/kg	17	55	1	8260	qh		/ 6/22/2001
sec-Butylbenzene	< 18	ug/kg	18	59	1	8260	qh		/ 6/22/2001
tert-Butylbenzene	< 17	ug/kg	17	53	1	8260	qh		/ 6/22/2001



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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Tetrachloroethene	< 17	ug/kg	17	53	1		8260	qh	/ 6/22/2001
Toluene	< 16	ug/kg	16	51	1		8260	qh	/ 6/22/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	qh	/ 6/22/2001
Trichloroethene	33	ug/kg	19	60	1	J	8260	qh	/ 6/22/2001
Trichlorofluoromethane	< 13	ug/kg	13	42	1		8260	qh	/ 6/22/2001
Vinyl chloride	< 12	ug/kg	12	37	1		8260	qh	/ 6/22/2001

Sample Number: 24609

QC Prep Batch Number: 997487

Collection: 6/20/2001

Time: 15:15

Client ID: NT-3-9C

% Solid = 92 %

Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 17	ug/kg	17	54	1		8260	qh	/ 6/22/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1		8260	qh	/ 6/22/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1		8260	qh	/ 6/22/2001
1,1-Dichloroethane	< 17	ug/kg	17	55	1		8260	qh	/ 6/22/2001
1,1-Dichloroethene	< 19	ug/kg	19	59	1		8260	qh	/ 6/22/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	qh	/ 6/22/2001
1,2,4-Trichlorobenzene	< 25	ug/kg	25	81	1		8260	qh	/ 6/22/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1		8260	qh	/ 6/22/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1		8260	qh	/ 6/22/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	59	1		8260	qh	/ 6/22/2001
1,2-Dichloroethane	< 19	ug/kg	19	60	1		8260	qh	/ 6/22/2001
1,2-Dichloropropane	< 18	ug/kg	18	56	1		8260	qh	/ 6/22/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	59	1		8260	qh	/ 6/22/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	qh	/ 6/22/2001
1,3-Dichloropropane	< 21	ug/kg	21	67	1		8260	qh	/ 6/22/2001
1,4-Dichlorobenzene	< 19	ug/kg	19	62	1		8260	qh	/ 6/22/2001
2,2-Dichloropropane	< 15	ug/kg	15	47	1		8260	qh	/ 6/22/2001
2-Chlorotoluene	< 16	ug/kg	16	52	1		8260	qh	/ 6/22/2001
4-Chlorotoluene	< 14	ug/kg	14	46	1		8260	qh	/ 6/22/2001
Benzene	< 15	ug/kg	15	47	1		8260	qh	/ 6/22/2001
Bromobenzene	< 17	ug/kg	17	54	1		8260	qh	/ 6/22/2001
Bromodichloromethane	< 21	ug/kg	21	66	1		8260	qh	/ 6/22/2001
Carbon tetrachloride	< 15	ug/kg	15	46	1		8260	qh	/ 6/22/2001
Chlorobenzene	< 14	ug/kg	14	45	1		8260	qh	/ 6/22/2001
Chloroethane	< 35	ug/kg	35	110	1		8260	qh	/ 6/22/2001
Chloroform	< 13	ug/kg	13	42	1		8260	qh	/ 6/22/2001
Chloromethane	< 27	ug/kg	27	85	1		8260	qh	/ 6/22/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	/ 6/22/2001
Dibromochloromethane	< 22	ug/kg	22	70	1		8260	qh	/ 6/22/2001
Dichlorodifluoromethane	< 14	ug/kg	14	46	1		8260	qh	/ 6/22/2001
Ethylbenzene	< 14	ug/kg	14	44	1		8260	qh	/ 6/22/2001
Hexachlorobutadiene	< 23	ug/kg	23	72	1		8260	qh	/ 6/22/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warranties, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	qh	/ 6/22/2001
Isopropylbenzene	< 18	ug/kg	18	57	1		8260	qh	/ 6/22/2001
m&p-xylene	< 29	ug/kg	29	92	1		8260	qh	/ 6/22/2001
Methylene chloride	< 16	ug/kg	16	52	1		8260	qh	/ 6/22/2001
MTBE	< 21	ug/kg	21	68	1		8260	qh	/ 6/22/2001
n-Butylbenzene	< 19	ug/kg	19	62	1		8260	qh	/ 6/22/2001
n-Propylbenzene	< 15	ug/kg	15	49	1		8260	qh	/ 6/22/2001
Naphthalene	< 41	ug/kg	41	130	1		8260	qh	/ 6/22/2001
o-xylene	< 14	ug/kg	14	43	1		8260	qh	/ 6/22/2001
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	qh	/ 6/22/2001
sec-Butylbenzene	< 18	ug/kg	18	58	1		8260	qh	/ 6/22/2001
tert-Butylbenzene	< 16	ug/kg	16	52	1		8260	qh	/ 6/22/2001
Tetrachloroethene	< 17	ug/kg	17	53	1		8260	qh	/ 6/22/2001
Toluene	< 16	ug/kg	16	50	1		8260	qh	/ 6/22/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	qh	/ 6/22/2001
Trichloroethene	< 19	ug/kg	19	60	1		8260	qh	/ 6/22/2001
Trichlorofluoromethane	< 13	ug/kg	13	42	1		8260	qh	/ 6/22/2001
Vinyl chloride	< 12	ug/kg	12	37	1		8260	qh	/ 6/22/2001

Sample Number: 24613

QC Prep Batch Number: 997487

Collection: 6/20/2001

Time: 15:30

Client ID: NT-7-9C

% Solid = 92.1 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	54	1		8260	qh	/ 6/22/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1		8260	qh	/ 6/22/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1		8260	qh	/ 6/22/2001
1,1-Dichloroethane	< 17	ug/kg	17	55	1		8260	qh	/ 6/22/2001
1,1-Dichloroethene	< 19	ug/kg	19	59	1		8260	qh	/ 6/22/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	qh	/ 6/22/2001
1,2,4-Trichlorobenzene	< 25	ug/kg	25	81	1		8260	qh	/ 6/22/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1		8260	qh	/ 6/22/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1		8260	qh	/ 6/22/2001
1,2-Dichlorobenzene	< 18	ug/kg	18	59	1		8260	qh	/ 6/22/2001
1,2-Dichloroethane	< 19	ug/kg	19	60	1		8260	qh	/ 6/22/2001
1,2-Dichloropropane	< 18	ug/kg	18	56	1		8260	qh	/ 6/22/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	59	1		8260	qh	/ 6/22/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1		8260	qh	/ 6/22/2001
1,3-Dichloropropane	< 21	ug/kg	21	67	1		8260	qh	/ 6/22/2001
1,4-Dichlorobenzene	< 19	ug/kg	19	62	1		8260	qh	/ 6/22/2001
2,2-Dichloropropane	< 15	ug/kg	15	47	1		8260	qh	/ 6/22/2001
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	qh	/ 6/22/2001
4-Chlorotoluene	< 14	ug/kg	14	46	1		8260	qh	/ 6/22/2001
Benzene	< 15	ug/kg	15	46	1		8260	qh	/ 6/22/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromobenzene	< 17	ug/kg	17	54	1		8260	qh	/ 6/22/2001
Bromodichloromethane	< 21	ug/kg	21	66	1		8260	qh	/ 6/22/2001
Carbon tetrachloride	< 15	ug/kg	15	46	1		8260	qh	/ 6/22/2001
Chlorobenzene	< 14	ug/kg	14	45	1		8260	qh	/ 6/22/2001
Chloroethane	< 35	ug/kg	35	110	1		8260	qh	/ 6/22/2001
Chloroform	< 13	ug/kg	13	42	1		8260	qh	/ 6/22/2001
Chloromethane	< 27	ug/kg	27	85	1		8260	qh	/ 6/22/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	/ 6/22/2001
Dibromochloromethane	< 22	ug/kg	22	70	1		8260	qh	/ 6/22/2001
Dichlorodifluoromethane	< 14	ug/kg	14	46	1		8260	qh	/ 6/22/2001
Ethylbenzene	< 14	ug/kg	14	44	1		8260	qh	/ 6/22/2001
Hexachlorobutadiene	< 23	ug/kg	23	72	1		8260	qh	/ 6/22/2001
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	qh	/ 6/22/2001
Isopropylbenzene	< 18	ug/kg	18	57	1		8260	qh	/ 6/22/2001
m&p-xylene	< 29	ug/kg	29	92	1		8260	qh	/ 6/22/2001
Methylene chloride	< 16	ug/kg	16	52	1		8260	qh	/ 6/22/2001
MTBE	< 21	ug/kg	21	68	1		8260	qh	/ 6/22/2001
n-Butylbenzene	< 19	ug/kg	19	62	1		8260	qh	/ 6/22/2001
n-Propylbenzene	< 15	ug/kg	15	49	1		8260	qh	/ 6/22/2001
Naphthalene	< 41	ug/kg	41	130	1		8260	qh	/ 6/22/2001
o-xylene	< 14	ug/kg	14	43	1		8260	qh	/ 6/22/2001
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	qh	/ 6/22/2001
sec-Butylbenzene	< 18	ug/kg	18	58	1		8260	qh	/ 6/22/2001
tert-Butylbenzene	< 16	ug/kg	16	52	1		8260	qh	/ 6/22/2001
Tetrachloroethene	< 17	ug/kg	17	53	1		8260	qh	/ 6/22/2001
Toluene	< 16	ug/kg	16	50	1		8260	qh	/ 6/22/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	qh	/ 6/22/2001
Trichloroethene	44	ug/kg	19	60	1	J	8260	qh	/ 6/22/2001
Trichlorofluoromethane	< 13	ug/kg	13	42	1		8260	qh	/ 6/22/2001
Vinyl chloride	< 12	ug/kg	12	37	1		8260	qh	/ 6/22/2001



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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010407
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 20-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: W66 N215 Com

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By: James Chang Date: 7/2/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name:
TECUMSEH - GRAFTON

Project ID:
1009010

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **466 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN 53018**

Phone: **262-325-4750** Fax: **262-395-2000**

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix	Preservation / Filtration Code																
01 TCE/TRA (ECD)	SOIL	X																
02 TCE/TRA (GC/MS)	SOIL																	
03 % SOLIDS		X																
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		

Additional Information:	Collection Time	2:45 PM	COC#
	Collection Date	6/26/01	
	Sample ID	S-3-21	
	Lab ID		

Relinquished By:	Date/Time	Received By:
<i>[Signature]</i>	6/26/01 3:45 PM	

Special Instructions:



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

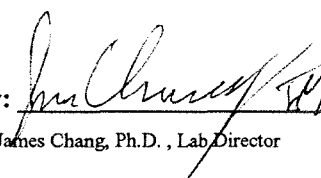
Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010435
 DATE REPORTED: 02-Jan-02
 DATE RECEIVED: 26-Jun-01
 SAMPLE TEMP (C):
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24752									
Client ID: S-3-21									
	QC Prep Batch Number: 997429					Collection: 6/26/2001			Time: 14:40
						Sample Description:			
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	jc		/ 6/21/2001
Trichloroethene	990	ug/kg	0.03	0.08	1	8082	jc		/ 6/21/2001

Approved By: 

James Chang, Ph.D., Lab Director

Date: 11/2/02

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

"O" = Significant peaks outside of the GRO or DRO retention time windows

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: **TECUMSEH - GRAFTON**

Project ID: **# 1009010**

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **666 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN 53012**

Phone: **262-325-4750** Fax: **262-325-2000**

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100
 Preservation / Filtration Code

Test Required	Matrix																	
01 TCE/TRA (ECD)	SOIL	X																
02 TCE/TRA (GC/MS)	SOIL																	
03 % SOLIDS		X																
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID																	COC#
12:10 PM	6/23/01	S-3-22	Z4789																	20010445

Relinquished By: <i>[Signature]</i>	Date/Time: <i>6/23/01</i>	Received By: <i>QH 6/28/01</i>
		<i>14:05</i>

Special Instructions:



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010445
 DATE REPORTED: 06-Aug-01
 DATE RECEIVED: 28-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24789									
Client ID: S-3-22									
	QC Prep Batch Number: 997710						Collection: 6/28/2001		Time: 12:10
							Sample Description:		
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	tm	/ 6/28/2001
Trichloroethene	1630	ug/kg	0.03	0.08	1		8082	tm	/ 6/28/2001

Approved By: 

James Chang, Ph.D., Lab Director

Date: 6/28/01

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: **TECUMSEH - GRAFTON**

Project ID: **# 1009010**

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **466 N215 COMMERCE C**

City/State/Zip: **CEONA WISCONSIN 530**

Phone: **262-325-4750** Fax: **262-325-2**

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix														
01 TCE/TRA (ECD)	SOIL	X	X	X	X	X	X	X	X	X	X				
02 TCE/TRA (GC/MS)	SOIL														
03 % SOLIDS		X	X	X	X	X	X	X	X	X	X				
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14															
15															

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
1:30	6/29/01	NT-1-1D		
1:45		NT-2-1D		
1:55		NT-3-1D		
2:10		NT-4-1D		
2:15		NT-5-1D		
2:20		NT-6-1D		
2:30		NT-7-1D		
2:35		NT-8-1D		
2:40		S-3-23		
2:45		S-3-24		

Relinquished By:	Date/Time	Received By:
<i>[Signature]</i>	6/29/01 3:30 PM	<i>[Signature]</i>

Special Instructions:



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010456
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 29-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Grafte

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24820		QC Prep Batch Number: 997483		Collection: 6/29/2001		Time: 13:30			
Client ID: NT-1-1D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Trichloroethene	7010	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Sample Number: 24821		QC Prep Batch Number: 997483		Collection: 6/29/2001		Time: 13:45			
Client ID: 2-1D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Trichloroethene	12100	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Sample Number: 24822		QC Prep Batch Number: 997483		Collection: 6/29/2001		Time: 13:55			
Client ID: 3-1D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Trichloroethene	16900	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Sample Number: 24823		QC Prep Batch Number: 997483		Collection: 6/29/2001		Time: 14:10			
Client ID: 4-1D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Trichloroethene	18400	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Sample Number: 24824		QC Prep Batch Number: 997483		Collection: 6/29/2001		Time: 14:15			
Client ID: 5-1D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Trichloroethene	20900	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Sample Number: 24825		QC Prep Batch Number: 997483		Collection: 6/29/2001		Time: 14:20			
Client ID: 6-1D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Trichloroethene	11300	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Sample Number: 24826		QC Prep Batch Number: 997483		Collection: 6/29/2001		Time: 14:30			
Client ID: 7-1D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001
Trichloroethene	15900	ug/kg	0.03	0.08	1	8082	qh		/ 7/1/2001



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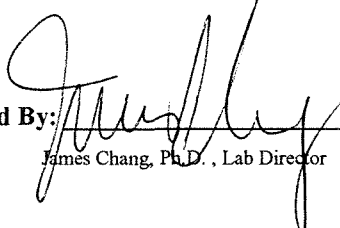
Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010456
 DATE REPORTED: 02-Jul-01
 DATE RECEIVED: 29-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Grafte

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24827 QC Prep Batch Number: 997483 Collection: 6/29/2001 Time: 14:35									
Client ID: 8-1D Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 7/1/2001
Trichloroethene	5430	ug/kg	0.03	0.08	1		8082	qh	/ 7/1/2001
Sample Number: 24828 QC Prep Batch Number: 997483 Collection: 6/29/2001 Time: 14:40									
Client ID: S-3-23 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 7/1/2001
Trichloroethene	232	ug/kg	0.03	0.08	1		8082	qh	/ 7/1/2001
Sample Number: 24829 QC Prep Batch Number: 997483 Collection: 6/29/2001 Time: 14:45									
Client ID: S-3-24 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 7/1/2001
Trichloroethene	3970	ug/kg	0.03	0.08	1		8082	qh	/ 7/1/2001

Approved By: 

James Chang, Ph.D., Lab Director

Date: 7/2/01

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010456
 DATE REPORTED: 26-Jul-01
 DATE RECEIVED: 29-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Grafte

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24828		QC Prep Batch Number: 997705				Collection: 6/29/2001			Time: 14:40
Client ID: S-3-23		% Solid = 90.4 %				Sample Description:			
1,1,1-Trichloroethane	< 17	ug/kg	17	55	1	8260	qh		/ 7/1/2001
1,1,1,2-Tetrachloroethane	< 24	ug/kg	24	77	1	8260	qh		/ 7/1/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	77	1	8260	qh		/ 7/1/2001
1,1-Dichloroethane	< 18	ug/kg	18	56	1	8260	qh		/ 7/1/2001
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	qh		/ 7/1/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	87	1	8260	qh		/ 7/1/2001
1,2,4-Trichlorobenzene	< 26	ug/kg	26	82	1	8260	qh		/ 7/1/2001
1,2,4-Trimethylbenzene	< 17	ug/kg	17	53	1	8260	qh		/ 7/1/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	58	1	8260	qh		/ 7/1/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	qh		/ 7/1/2001
1,2-Dichloroethane	< 19	ug/kg	19	61	1	8260	qh		/ 7/1/2001
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	qh		/ 7/1/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	61	1	8260	qh		/ 7/1/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	46	1	8260	qh		/ 7/1/2001
1,3-Dichloropropane	< 22	ug/kg	22	69	1	8260	qh		/ 7/1/2001
1,4-Dichlorobenzene	< 20	ug/kg	20	63	1	8260	qh		/ 7/1/2001
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	qh		/ 7/1/2001
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260	qh		/ 7/1/2001
4-Chlorotoluene	< 15	ug/kg	15	46	1	8260	qh		/ 7/1/2001
Benzene	< 15	ug/kg	15	47	1	8260	qh		/ 7/1/2001
Bromobenzene	< 17	ug/kg	17	55	1	8260	qh		/ 7/1/2001
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	qh		/ 7/1/2001
Carbon tetrachloride	< 15	ug/kg	15	47	1	8260	qh		/ 7/1/2001
Chlorobenzene	< 14	ug/kg	14	46	1	8260	qh		/ 7/1/2001
Chloroethane	< 35	ug/kg	35	112	1	8260	qh		/ 7/1/2001
Chloroform	< 13	ug/kg	13	43	1	8260	qh		/ 7/1/2001
Chloromethane	< 27	ug/kg	27	87	1	8260	qh		/ 7/1/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	qh		/ 7/1/2001
Dibromochloromethane	< 23	ug/kg	23	72	1	8260	qh		/ 7/1/2001
Dichlorodifluoromethane	< 15	ug/kg	15	47	1	8260	qh		/ 7/1/2001
Ethylbenzene	< 14	ug/kg	14	45	1	8260	qh		/ 7/1/2001
Hexachlorobutadiene	< 23	ug/kg	23	74	1	8260	qh		/ 7/1/2001
Isopropyl Ether	< 16	ug/kg	16	52	1	8260	qh		/ 7/1/2001
Isopropylbenzene	< 18	ug/kg	18	58	1	8260	qh		/ 7/1/2001
m&p-xylene	< 30	ug/kg	30	94	1	8260	qh		/ 7/1/2001
Methylene chloride	< 17	ug/kg	17	53	1	8260	qh		/ 7/1/2001
MTBE	< 22	ug/kg	22	69	1	8260	qh		/ 7/1/2001
n-Butylbenzene	< 20	ug/kg	20	63	1	8260	qh		/ 7/1/2001
n-Propylbenzene	< 16	ug/kg	16	50	1	8260	qh		/ 7/1/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Curt Hoffart
 Key Engineering Group, LTD.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010456
 DATE REPORTED: 26-Jul-01
 DATE RECEIVED: 29-Jun-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Grafte

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 42	ug/kg	42	133	1		8260	qh	/ 7/1/2001
o-xylene	< 14	ug/kg	14	44	1		8260	qh	/ 7/1/2001
p-Isopropyltoluene	< 17	ug/kg	17	55	1		8260	qh	/ 7/1/2001
sec-Butylbenzene	< 19	ug/kg	19	59	1		8260	qh	/ 7/1/2001
tert-Butylbenzene	< 17	ug/kg	17	53	1		8260	qh	/ 7/1/2001
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	qh	/ 7/1/2001
Toluene	< 16	ug/kg	16	51	1		8260	qh	/ 7/1/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	qh	/ 7/1/2001
Trichloroethene	256	ug/kg	19	61	1		8260	qh	/ 7/1/2001
Trichlorofluoromethane	< 13	ug/kg	13	42	1		8260	qh	/ 7/1/2001
Vinyl chloride	< 12	ug/kg	12	38	1		8260	qh	/ 7/1/2001

Approved By: James Chang Date: 7/26/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Galumet Rd., Milwaukee, WI 53223
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Project Name: **TECUMSEH - GRAFTON**
 Project ID: **# 1007010**

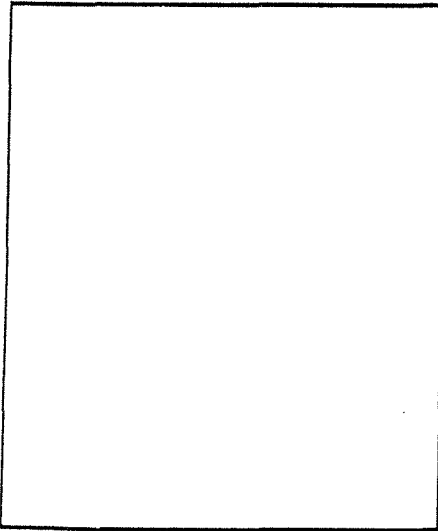
Project Manager: **CURT HOFFART**
 Company: **KEY ENGINEERING**
 Address: **466 N215 COMMERCE CT.**
 City/State/Zip: **KEOSAUQUA, WI 53012**
 Phone: **262-325-7750** Fax: **262-325-7750**

Samples received "On Ice" Temperature: C Sample intact/not leaking

- | | | |
|----------|-------------|-----------------|
| A. HCl | E. Methanol | 100 |
| B. HNO3 | F. Filtered | Preservation / |
| C. NaOH | G. None | Filtration Code |
| D. H2SO4 | H. Others | |

Test Required	Matrix																			
01 TCE/TRA (ECD)	SOIL																			
02 TCE/TRA (GC/MS)	SOIL																			
03 % SOLIDS																				
04																				
05																				
06																				
07																				
08																				
09																				
10																				
11																				
12																				
14																				
15																				

Additional Information:



Collection Time	Collection Date	Sample ID	Lab ID	COC#
10:30	7/9/01	NT-1-2D	24916	
10:40		NT-2-2D	24917	
10:45		NT-3-2D	24918	
10:50		NT-4-2D	24919	
11:00		NT-5-2D	24920	
11:05		NT-6-2D	24921	
11:10		NT-7-2D	24922	
11:20		NT-8-2D	24923	
11:25		ST-1-1E	24924	
11:35		ST-3-1E	24925	
11:40		ST-5-1E	24926	
11:50		ST-7-1E	24927	

Relinquished By: *[Signature]* Date/Time: *7/9/01 1:05 PM* Received By: *[Signature]*

Special Instructions: *200 10475*



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 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010475
 DATE REPORTED: 26-Jul-01
 DATE RECEIVED: 09-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24916		QC Prep Batch Number: 997554			Collection: 7/9/2001		Time: 10:30		
Client ID: NT-1-2D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Trichloroethene	1540	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Sample Number: 24917		QC Prep Batch Number: 997554			Collection: 7/9/2001		Time: 10:40		
Client ID: NT-2-2D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Trichloroethene	4790	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Sample Number: 24918		QC Prep Batch Number: 997554			Collection: 7/9/2001		Time: 10:45		
Client ID: NT-3-2D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Trichloroethene	2520	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Sample Number: 24919		QC Prep Batch Number: 997554			Collection: 7/9/2001		Time: 10:50		
Client ID: NT-4-2D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Trichloroethene	1540	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Sample Number: 24920		QC Prep Batch Number: 997554			Collection: 7/9/2001		Time: 11:00		
Client ID: NT-5-2D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Trichloroethene	3080	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Sample Number: 24921		QC Prep Batch Number: 997554			Collection: 7/9/2001		Time: 11:05		
Client ID: NT-6-2D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Trichloroethene	2000	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Sample Number: 24922		QC Prep Batch Number: 997554			Collection: 7/9/2001		Time: 11:10		
Client ID: NT-7-2D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001
Trichloroethene	1740	ug/kg	0.03	0.08	1	8082	tm		/ 7/9/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010475
 DATE REPORTED: 26-Jul-01
 DATE RECEIVED: 09-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24923									
Client ID: NT--8-2D									
QC Prep Batch Number: 997554									
Collection: 7/9/2001									
Time: 11:20									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1				/ 7/9/2001
Trichloroethene	5350	ug/kg	0.03	0.08	1				/ 7/9/2001
Sample Number: 24924									
Client ID: ST-1-1E									
QC Prep Batch Number: 997554									
Collection: 7/9/2001									
Time: 11:25									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1				/ 7/9/2001
Trichloroethene	2310	ug/kg	0.03	0.08	1				/ 7/9/2001
Sample Number: 24925									
Client ID: ST-3-1E									
QC Prep Batch Number: 997554									
Collection: 7/9/2001									
Time: 11:35									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1				/ 7/9/2001
Trichloroethene	2590	ug/kg	0.03	0.08	1				/ 7/9/2001
Sample Number: 24926									
Client ID: ST-5-1E									
QC Prep Batch Number: 997554									
Collection: 7/9/2001									
Time: 11:40									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1				/ 7/9/2001
Trichloroethene	2350	ug/kg	0.03	0.08	1				/ 7/9/2001
Sample Number: 24927									
Client ID: ST-7-1E									
QC Prep Batch Number: 997554									
Collection: 7/9/2001									
Time: 11:50									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1				/ 7/9/2001
Trichloroethene	6620	ug/kg	0.03	0.08	1				/ 7/9/2001



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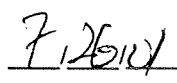
Curt Hoffart
Key Engineering Group, LTD.
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Cedarburg , WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010475
DATE REPORTED: 26-Jul-01
DATE RECEIVED: 09-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:  Date: 
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010489
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 13-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24989		QC Prep Batch Number: 997618				Collection: 7/13/2001	Time: 13:00		
Client ID: NT-2-3D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Trichloroethene	806	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Sample Number: 24990		QC Prep Batch Number: 997618				Collection: 7/13/2001	Time: 13:00		
Client ID: NT-3-3D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Trichloroethene	1270	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Sample Number: 24991		QC Prep Batch Number: 997618				Collection: 7/13/2001	Time: 13:00		
Client ID: NT-5-3D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Trichloroethene	1250	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Sample Number: 24992		QC Prep Batch Number: 997618				Collection: 7/13/2001	Time: 13:00		
Client ID: NT-8-3D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Trichloroethene	580	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Sample Number: 24993		QC Prep Batch Number: 997618				Collection: 7/13/2001	Time: 13:00		
Client ID: ST-2-2E		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Trichloroethene	4980	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Sample Number: 24994		QC Prep Batch Number: 997618				Collection: 7/13/2001	Time: 13:00		
Client ID: ST-4-2E		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Trichloroethene	2280	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Sample Number: 24995		QC Prep Batch Number: 997618				Collection: 7/13/2001	Time: 13:00		
Client ID: ST-6-2E		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Trichloroethene	1500	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001



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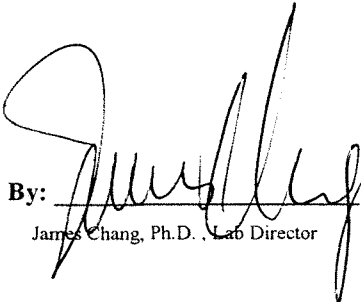
Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010489
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 13-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24996									
Client ID: ST-8-2E									
	QC Prep Batch Number: 997618					Collection: 7/13/2001			Time: 13:00
						Sample Description:			
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001
Trichloroethene	1380	ug/kg	0.03	0.08	1	8082	TM		/ 7/13/2001

Approved By: 

James Chang, Ph.D., Lab Director

Date: 7,16,01

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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 Key Engineering Group, LTD.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010489
 DATE REPORTED: 18-Jul-01
 DATE RECEIVED: 13-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24989									
Client ID: NT-2-3D									
	QC Prep Batch Number:	997661				Collection: 7/13/2001			Time: 13:00
	% Solid =	92.4	%			Sample Description:			
1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260	tm		/ 7/13/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260	tm		/ 7/13/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	tm		/ 7/13/2001
1,1-Dichloroethane	< 17	ug/kg	17	55	1	8260	tm		/ 7/13/2001
1,1-Dichloroethene	< 18	ug/kg	18	59	1	8260	tm		/ 7/13/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	tm		/ 7/13/2001
1,2,4-Trichlorobenzene	< 25	ug/kg	25	81	1	8260	tm		/ 7/13/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1	8260	tm		/ 7/13/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	tm		/ 7/13/2001
1,2-Dichlorobenzene	< 18	ug/kg	18	59	1	8260	tm		/ 7/13/2001
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	tm		/ 7/13/2001
1,2-Dichloropropane	< 17	ug/kg	17	56	1	8260	tm		/ 7/13/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	59	1	8260	tm		/ 7/13/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	tm		/ 7/13/2001
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260	tm		/ 7/13/2001
1,4-Dichlorobenzene	< 19	ug/kg	19	61	1	8260	tm		/ 7/13/2001
2,2-Dichloropropane	< 15	ug/kg	15	47	1	8260	tm		/ 7/13/2001
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	tm		/ 7/13/2001
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260	tm		/ 7/13/2001
Benzene	< 15	ug/kg	15	46	1	8260	tm		/ 7/13/2001
Bromobenzene	< 17	ug/kg	17	53	1	8260	tm		/ 7/13/2001
Bromodichloromethane	< 21	ug/kg	21	66	1	8260	tm		/ 7/13/2001
Carbon tetrachloride	< 15	ug/kg	15	46	1	8260	tm		/ 7/13/2001
Chlorobenzene	< 14	ug/kg	14	45	1	8260	tm		/ 7/13/2001
Chloroethane	< 34	ug/kg	34	109	1	8260	tm		/ 7/13/2001
Chloroform	< 13	ug/kg	13	42	1	8260	tm		/ 7/13/2001
Chloromethane	< 27	ug/kg	27	85	1	8260	tm		/ 7/13/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1	8260	tm		/ 7/13/2001
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	tm		/ 7/13/2001
Dichlorodifluoromethane	< 14	ug/kg	14	46	1	8260	tm		/ 7/13/2001
Ethylbenzene	< 14	ug/kg	14	44	1	8260	tm		/ 7/13/2001
Hexachlorobutadiene	< 23	ug/kg	23	72	1	8260	tm		/ 7/13/2001
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	tm		/ 7/13/2001
Isopropylbenzene	< 18	ug/kg	18	56	1	8260	tm		/ 7/13/2001
m&p-xylene	< 29	ug/kg	29	92	1	8260	tm		/ 7/13/2001
Methylene chloride	< 16	ug/kg	16	52	1	8260	tm		/ 7/13/2001
MTBE	< 21	ug/kg	21	67	1	8260	tm		/ 7/13/2001
n-Butylbenzene	< 19	ug/kg	19	62	1	8260	tm		/ 7/13/2001
n-Propylbenzene	< 15	ug/kg	15	49	1	8260	tm		/ 7/13/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Curt Hoffart
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 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010489
 DATE REPORTED: 18-Jul-01
 DATE RECEIVED: 13-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 41	ug/kg	41	130	1	8260	tm		/ 7/13/2001
o-xylene	< 14	ug/kg	14	43	1	8260	tm		/ 7/13/2001
p-Isopropyltoluene	< 17	ug/kg	17	54	1	8260	tm		/ 7/13/2001
sec-Butylbenzene	< 18	ug/kg	18	58	1	8260	tm		/ 7/13/2001
tert-Butylbenzene	< 16	ug/kg	16	52	1	8260	tm		/ 7/13/2001
Tetrachloroethene	< 17	ug/kg	17	53	1	8260	tm		/ 7/13/2001
Toluene	< 16	ug/kg	16	50	1	8260	tm		/ 7/13/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1	8260	tm		/ 7/13/2001
Trichloroethene	873	ug/kg	19	59	1	8260	tm		/ 7/13/2001
Trichlorofluoromethane	< 13	ug/kg	13	41	1	8260	tm		/ 7/13/2001
Vinyl chloride	< 12	ug/kg	12	37	1	8260	tm		/ 7/13/2001

Sample Number: 24992

QC Prep Batch Number: 997661

Collection: 7/13/2001

Time: 13:00

Client ID: NT-8-3D

% Solid = 91.3 %

Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 17	ug/kg	17	55	1	8260	tm		/ 7/13/2001
1,1,1,2-Tetrachloroethane	< 24	ug/kg	24	77	1	8260	tm		/ 7/13/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	76	1	8260	tm		/ 7/13/2001
1,1-Dichloroethane	< 18	ug/kg	18	56	1	8260	tm		/ 7/13/2001
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	tm		/ 7/13/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	87	1	8260	tm		/ 7/13/2001
1,2,4-Trichlorobenzene	< 26	ug/kg	26	82	1	8260	tm		/ 7/13/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1	8260	tm		/ 7/13/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	58	1	8260	tm		/ 7/13/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	59	1	8260	tm		/ 7/13/2001
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	tm		/ 7/13/2001
1,2-Dichloropropane	< 18	ug/kg	18	56	1	8260	tm		/ 7/13/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	tm		/ 7/13/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	tm		/ 7/13/2001
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260	tm		/ 7/13/2001
1,4-Dichlorobenzene	< 20	ug/kg	20	62	1	8260	tm		/ 7/13/2001
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	tm		/ 7/13/2001
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260	tm		/ 7/13/2001
4-Chlorotoluene	< 14	ug/kg	14	46	1	8260	tm		/ 7/13/2001
Benzene	< 15	ug/kg	15	47	1	8260	tm		/ 7/13/2001
Bromobenzene	< 17	ug/kg	17	54	1	8260	tm		/ 7/13/2001
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	tm		/ 7/13/2001
Carbon tetrachloride	< 15	ug/kg	15	47	1	8260	tm		/ 7/13/2001
Chlorobenzene	< 14	ug/kg	14	45	1	8260	tm		/ 7/13/2001
Chloroethane	< 35	ug/kg	35	111	1	8260	tm		/ 7/13/2001
Chloroform	< 13	ug/kg	13	42	1	8260	tm		/ 7/13/2001
Chloromethane	< 27	ug/kg	27	86	1	8260	tm		/ 7/13/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010489
 DATE REPORTED: 18-Jul-01
 DATE RECEIVED: 13-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	tm	/ 7/13/2001
Dibromochloromethane	< 22	ug/kg	22	71	1		8260	tm	/ 7/13/2001
Dichlorodifluoromethane	< 15	ug/kg	15	46	1		8260	tm	/ 7/13/2001
Ethylbenzene	< 14	ug/kg	14	44	1		8260	tm	/ 7/13/2001
Hexachlorobutadiene	< 23	ug/kg	23	73	1		8260	tm	/ 7/13/2001
Isopropyl Ether	< 16	ug/kg	16	52	1		8260	tm	/ 7/13/2001
Isopropylbenzene	< 18	ug/kg	18	57	1		8260	tm	/ 7/13/2001
m&p-xylene	< 29	ug/kg	29	93	1		8260	tm	/ 7/13/2001
Methylene chloride	< 17	ug/kg	17	53	1		8260	tm	/ 7/13/2001
MTBE	< 21	ug/kg	21	68	1		8260	tm	/ 7/13/2001
n-Butylbenzene	< 20	ug/kg	20	62	1		8260	tm	/ 7/13/2001
n-Propylbenzene	< 15	ug/kg	15	49	1		8260	tm	/ 7/13/2001
Naphthalene	< 41	ug/kg	41	131	1		8260	tm	/ 7/13/2001
o-xylene	< 14	ug/kg	14	44	1		8260	tm	/ 7/13/2001
p-Isopropyltoluene	< 17	ug/kg	17	55	1		8260	tm	/ 7/13/2001
sec-Butylbenzene	< 18	ug/kg	18	59	1		8260	tm	/ 7/13/2001
tert-Butylbenzene	< 17	ug/kg	17	53	1		8260	tm	/ 7/13/2001
Tetrachloroethene	< 17	ug/kg	17	53	1		8260	tm	/ 7/13/2001
Toluene	< 16	ug/kg	16	51	1		8260	tm	/ 7/13/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	tm	/ 7/13/2001
Trichloroethene	635	ug/kg	19	60	1		8260	tm	/ 7/13/2001
Trichlorofluoromethane	< 13	ug/kg	13	42	1		8260	tm	/ 7/13/2001
Vinyl chloride	< 12	ug/kg	12	37	1		8260	tm	/ 7/13/2001

Approved By: James Chang Date: 7/18/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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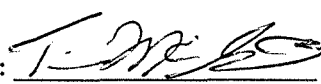
Curt Hoffart
 Key Engineering Group, LTD.
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010491
 DATE REPORTED: 17-Jul-01
 DATE RECEIVED: 16-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25008		QC Prep Batch Number: 997662		Collection: 7/16/2001		Time: 13:40			
Client ID: NT-1-4D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/16/2001
Trichloroethene	329	ug/kg	0.03	0.08	1	8082	tm		/ 7/16/2001
Sample Number: 25009		QC Prep Batch Number: 997662		Collection: 7/16/2001		Time: 14:20			
Client ID: NT-7-4D		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/16/2001
Trichloroethene	764	ug/kg	0.03	0.08	1	8082	tm		/ 7/16/2001

Approved By: 

Date: 7/17/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L. two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223

Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: **TECUMSEH - GRAFTON**

Project ID: **# 1069010**

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **466 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN 53012**

Phone: **262-325-4750** Fax: **262-325-2200**

Samples received "On Ice" Temperature: **C** Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- Preservation / Filtration Code

Test Required

Matrix

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
01 TCE/TRA (ECD)	SOIL	X	X	X	X													
02 TCE/TRA (GC/MS)	SOIL																	
03 % SOLIDS																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
14																		
15																		

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
8:30 AM	7/17/01	NT-3-5D	25019	20010496
8:40 AM	7/17/01	NT-4-5D	25020	
8:50 AM	7/17/01	NT-5-5D	25021	
9:00 AM	7/17/01	NT-6-5D	25022	
			25023	

Relinquished By: <i>Kenneth J. [Signature]</i>	Date/Time: 12:30 7-17-01	Received By: <i>[Signature]</i>	Special Instructions:
--	---------------------------------	---------------------------------	-----------------------



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010496
 DATE REPORTED: 18-Jul-01
 DATE RECEIVED: 17-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25019 QC Prep Batch Number: 997669 Collection: 7/17/2001 Time: 08:30									
Client ID: NT-3-5D Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	tm	7/17/2001
Trichloroethene	453	ug/kg	0.03	0.08	1		8082	tm	7/17/2001
Sample Number: 25020 QC Prep Batch Number: 997669 Collection: 7/17/2001 Time: 08:40									
Client ID: NT-4-5D Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	tm	7/17/2001
Trichloroethene	1120	ug/kg	0.03	0.08	1		8082	tm	7/17/2001
Sample Number: 25021 QC Prep Batch Number: 997669 Collection: 7/17/2001 Time: 08:50									
Client ID: NT-5-5D Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	tm	7/17/2001
Trichloroethene	757	ug/kg	0.03	0.08	1		8082	tm	7/17/2001
Sample Number: 25022 QC Prep Batch Number: 997669 Collection: 7/17/2001 Time: 09:00									
Client ID: NT-6-5D Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	tm	7/17/2001
Trichloroethene	3700	ug/kg	0.03	0.08	1		8082	tm	7/17/2001

Approved By:  Date: 7/18/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance. April 1995.

APL Environmental

8222 W. Galumet Rd., Milwaukee, WI 53223
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Project Name: **TECUMSEH - GRAFTON**

Project ID: **# 1009010**

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **466 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN 53012**

Phone: **262-325-7750** Fax: **262-325-7750**

Samples received "On Ice" Temperature: **C** Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix											Preservation / Filtration Code	
01 TCE/TRA (ECD)	SOIL	X	X	X	X	X	X	X	X	X	X		E
02 TCE/TRA (GC/MS)	SOIL												
03 % SOLIDS													
04													
05													
06													
07													
08													
09													
10													
11													
12													
14													
15													

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
1:00PM	7/20/01	NT-4-6D	25056	
1:05PM		NT-6-6D	25057	
1:10PM		ST-1-3E	25058	
1:15PM		ST-2-3E	25059	
12:00PM		ST-3-3E	25060	
1:30PM		ST-4-3E	25061	
1:35PM		ST-5-3E	25062	
1:40PM		ST-6-3E	25063	
1:50PM		ST-7-3E	25064	
2:00PM		ST-8-3E	25065	

Relinquished By: *[Signature]* Date/Time: **7/20/01 14:35**

Received By: *[Signature]*

Special Instructions: **20010506**



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010506
 DATE REPORTED: 26-Jul-01
 DATE RECEIVED: 20-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMESSEN

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25056									
Client ID: NT-4-6D									
QC Prep Batch Number: 997710									
Collection: 7/20/2001 Time: 13:00									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Trichloroethene	617	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Sample Number: 25057									
Client ID: NT-6-6D									
QC Prep Batch Number: 997710									
Collection: 7/20/2001 Time: 13:05									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Trichloroethene	316	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Sample Number: 25058									
Client ID: ST-1-3E									
QC Prep Batch Number: 997710									
Collection: 7/20/2001 Time: 13:10									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Trichloroethene	797	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Sample Number: 25059									
Client ID: ST-2-3E									
QC Prep Batch Number: 997710									
Collection: 7/20/2001 Time: 13:15									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Trichloroethene	1070	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Sample Number: 25060									
Client ID: ST-3-3E									
QC Prep Batch Number: 997710									
Collection: 7/20/2001 Time: 13:20									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Trichloroethene	1260	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Sample Number: 25061									
Client ID: ST-4-3E									
QC Prep Batch Number: 997710									
Collection: 7/20/2001 Time: 13:30									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Trichloroethene	825	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Sample Number: 25062									
Client ID: ST-5-3E									
QC Prep Batch Number: 997710									
Collection: 7/20/2001 Time: 13:35									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001
Trichloroethene	648	ug/kg	0.03	0.08	1		8082	Admin	/ 7/20/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010506
 DATE REPORTED: 26-Jul-01
 DATE RECEIVED: 20-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMESEEN

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25063									
QC Prep Batch Number: 997710									
Collection: 7/20/2001									
Time: 13:40									
Client ID: ST-6-3E									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	Admin	7/20/2001
Trichloroethene	833	ug/kg	0.03	0.08	1		8082	Admin	7/20/2001
Sample Number: 25064									
QC Prep Batch Number: 997710									
Collection: 7/20/2001									
Time: 13:50									
Client ID: ST-7-3E									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	Admin	7/20/2001
Trichloroethene	1090	ug/kg	0.03	0.08	1		8082	Admin	7/20/2001
Sample Number: 25065									
QC Prep Batch Number: 997710									
Collection: 7/20/2001									
Time: 14:00									
Client ID: ST-8-3E									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	Admin	7/20/2001
Trichloroethene	770	ug/kg	0.03	0.08	1		8082	Admin	7/20/2001

Approved By: _____

Date: 7/26/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit. NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010506
 DATE REPORTED: 30-Jul-01
 DATE RECEIVED: 20-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMESEEN

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25056		QC Prep Batch Number: 997828			Collection: 7/20/2001		Time: 13:00		
Client ID: NT-4-6D		% Solid = 93.5 %			Sample Description:				
1,1,1-Trichloroethane	< 17	ug/kg	17	53	1	8260	QH		/ 7/20/2001
1,1,2,2-Tetrachloroethane	< 23	ug/kg	23	75	1	8260	QH		/ 7/20/2001
1,1,2-Trichloroethane	< 23	ug/kg	23	75	1	8260	QH		/ 7/20/2001
1,1-Dichloroethane	< 17	ug/kg	17	54	1	8260	QH		/ 7/20/2001
1,1-Dichloroethene	< 18	ug/kg	18	58	1	8260	QH		/ 7/20/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	85	1	8260	QH		/ 7/20/2001
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260	QH		/ 7/20/2001
1,2,4-Trimethylbenzene	37	ug/kg	16	51	1	J 8260	QH		/ 7/20/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	56	1	8260	QH		/ 7/20/2001
1,2-Dichlorobenzene	< 18	ug/kg	18	58	1	8260	QH		/ 7/20/2001
1,2-Dichloroethane	< 19	ug/kg	19	59	1	8260	QH		/ 7/20/2001
1,2-Dichloropropane	< 17	ug/kg	17	55	1	8260	QH		/ 7/20/2001
1,3,5-Trimethylbenzene	< 18	ug/kg	18	58	1	8260	QH		/ 7/20/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	44	1	8260	QH		/ 7/20/2001
1,3-Dichloropropane	< 21	ug/kg	21	66	1	8260	QH		/ 7/20/2001
1,4-Dichlorobenzene	< 19	ug/kg	19	61	1	8260	QH		/ 7/20/2001
2,2-Dichloropropane	< 15	ug/kg	15	47	1	8260	QH		/ 7/20/2001
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	QH		/ 7/20/2001
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260	QH		/ 7/20/2001
Benzene	< 14	ug/kg	14	46	1	8260	QH		/ 7/20/2001
Bromobenzene	< 17	ug/kg	17	53	1	8260	QH		/ 7/20/2001
Bromodichloromethane	< 20	ug/kg	20	65	1	8260	QH		/ 7/20/2001
Carbon tetrachloride	< 14	ug/kg	14	46	1	8260	QH		/ 7/20/2001
Chlorobenzene	< 14	ug/kg	14	44	1	8260	QH		/ 7/20/2001
Chloroethane	< 34	ug/kg	34	108	1	8260	QH		/ 7/20/2001
Chloroform	< 13	ug/kg	13	41	1	8260	QH		/ 7/20/2001
Chloromethane	< 26	ug/kg	26	84	1	8260	QH		/ 7/20/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	46	1	8260	QH		/ 7/20/2001
Dibromochloromethane	< 22	ug/kg	22	69	1	8260	QH		/ 7/20/2001
Dichlorodifluoromethane	< 14	ug/kg	14	45	1	8260	QH		/ 7/20/2001
Ethylbenzene	< 14	ug/kg	14	43	1	8260	QH		/ 7/20/2001
Hexachlorobutadiene	< 22	ug/kg	22	71	1	8260	QH		/ 7/20/2001
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	QH		/ 7/20/2001
Isopropylbenzene	< 18	ug/kg	18	56	1	8260	QH		/ 7/20/2001
m&p-xylene	52	ug/kg	29	91	1	J 8260	QH		/ 7/20/2001
Methylene chloride	< 16	ug/kg	16	52	1	8260	QH		/ 7/20/2001
MTBE	< 21	ug/kg	21	66	1	8260	QH		/ 7/20/2001
n-Butylbenzene	< 19	ug/kg	19	61	1	8260	QH		/ 7/20/2001
n-Propylbenzene	< 15	ug/kg	15	48	1	8260	QH		/ 7/20/2001

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010506
 DATE REPORTED: 30-Jul-01
 DATE RECEIVED: 20-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMESEN

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 40	ug/kg	40	128	1		8260	QH	/ 7/20/2001
o-xylene	30	ug/kg	13	43	1	J	8260	QH	/ 7/20/2001
p-Isopropyltoluene	< 17	ug/kg	17	53	1		8260	QH	/ 7/20/2001
sec-Butylbenzene	< 18	ug/kg	18	57	1		8260	QH	/ 7/20/2001
tert-Butylbenzene	< 16	ug/kg	16	51	1		8260	QH	/ 7/20/2001
Tetrachloroethene	< 16	ug/kg	16	52	1		8260	QH	/ 7/20/2001
Toluene	< 16	ug/kg	16	50	1		8260	QH	/ 7/20/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	43	1		8260	QH	/ 7/20/2001
Trichloroethene	659	ug/kg	18	59	1		8260	QH	/ 7/20/2001
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	QH	/ 7/20/2001
Vinyl chloride	< 11	ug/kg	11	36	1		8260	QH	/ 7/20/2001

Sample Number: 25057

QC Prep Batch Number: 997828

Collection: 7/20/2001

Time: 13:05

Client ID: NT-6-6D

% Solid = 93.7 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	53	1		8260	QH	/ 7/20/2001
1,1,2,2-Tetrachloroethane	< 23	ug/kg	23	75	1		8260	QH	/ 7/20/2001
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1		8260	QH	/ 7/20/2001
1,1-Dichloroethane	< 17	ug/kg	17	54	1		8260	QH	/ 7/20/2001
1,1-Dichloroethene	< 18	ug/kg	18	58	1		8260	QH	/ 7/20/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	84	1		8260	QH	/ 7/20/2001
1,2,4-Trichlorobenzene	< 25	ug/kg	25	79	1		8260	QH	/ 7/20/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1		8260	QH	/ 7/20/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	56	1		8260	QH	/ 7/20/2001
1,2-Dichlorobenzene	< 18	ug/kg	18	58	1		8260	QH	/ 7/20/2001
1,2-Dichloroethane	< 19	ug/kg	19	59	1		8260	QH	/ 7/20/2001
1,2-Dichloropropane	< 17	ug/kg	17	55	1		8260	QH	/ 7/20/2001
1,3,5-Trimethylbenzene	< 18	ug/kg	18	58	1		8260	QH	/ 7/20/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	44	1		8260	QH	/ 7/20/2001
1,3-Dichloropropane	< 21	ug/kg	21	66	1		8260	QH	/ 7/20/2001
1,4-Dichlorobenzene	< 19	ug/kg	19	61	1		8260	QH	/ 7/20/2001
2,2-Dichloropropane	< 15	ug/kg	15	47	1		8260	QH	/ 7/20/2001
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	QH	/ 7/20/2001
4-Chlorotoluene	< 14	ug/kg	14	45	1		8260	QH	/ 7/20/2001
Benzene	< 14	ug/kg	14	46	1		8260	QH	/ 7/20/2001
Bromobenzene	< 17	ug/kg	17	53	1		8260	QH	/ 7/20/2001
Bromodichloromethane	< 20	ug/kg	20	65	1		8260	QH	/ 7/20/2001
Carbon tetrachloride	< 14	ug/kg	14	46	1		8260	QH	/ 7/20/2001
Chlorobenzene	< 14	ug/kg	14	44	1		8260	QH	/ 7/20/2001
Chloroethane	< 34	ug/kg	34	108	1		8260	QH	/ 7/20/2001
Chloroform	< 13	ug/kg	13	41	1		8260	QH	/ 7/20/2001
Chloromethane	< 26	ug/kg	26	84	1		8260	QH	/ 7/20/2001

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 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010506
 DATE REPORTED: 30-Jul-01
 DATE RECEIVED: 20-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMESEN

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 14	ug/kg	14	46	1		8260	QH	7/20/2001
Dibromochloromethane	< 22	ug/kg	22	69	1		8260	QH	7/20/2001
Dichlorodifluoromethane	< 14	ug/kg	14	45	1		8260	QH	7/20/2001
Ethylbenzene	< 14	ug/kg	14	43	1		8260	QH	7/20/2001
Hexachlorobutadiene	< 22	ug/kg	22	71	1		8260	QH	7/20/2001
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	QH	7/20/2001
Isopropylbenzene	< 17	ug/kg	17	56	1		8260	QH	7/20/2001
m&p-xylene	< 29	ug/kg	29	91	1		8260	QH	7/20/2001
Methylene chloride	< 16	ug/kg	16	51	1		8260	QH	7/20/2001
MTBE	< 21	ug/kg	21	66	1		8260	QH	7/20/2001
n-Butylbenzene	< 19	ug/kg	19	61	1		8260	QH	7/20/2001
n-Propylbenzene	< 15	ug/kg	15	48	1		8260	QH	7/20/2001
Naphthalene	< 40	ug/kg	40	128	1		8260	QH	7/20/2001
o-xylene	< 13	ug/kg	13	42	1		8260	QH	7/20/2001
p-Isopropyltoluene	< 17	ug/kg	17	53	1		8260	QH	7/20/2001
sec-Butylbenzene	< 18	ug/kg	18	57	1		8260	QH	7/20/2001
tert-Butylbenzene	< 16	ug/kg	16	51	1		8260	QH	7/20/2001
Tetrachloroethene	< 16	ug/kg	16	52	1		8260	QH	7/20/2001
Toluene	< 16	ug/kg	16	49	1		8260	QH	7/20/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	43	1		8260	QH	7/20/2001
Trichloroethene	337	ug/kg	18	59	1		8260	QH	7/20/2001
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	QH	7/20/2001
Vinyl chloride	< 11	ug/kg	11	36	1		8260	QH	7/20/2001

Sample Number: 25058

QC Prep Batch Number: 997828

Collection: 7/20/2001

Time: 13:10

Client ID: ST-1-3E

% Solid = 93.6 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	53	1		8260	QH	7/20/2001
1,1,2,2-Tetrachloroethane	< 23	ug/kg	23	75	1		8260	QH	7/20/2001
1,1,2-Trichloroethane	< 23	ug/kg	23	75	1		8260	QH	7/20/2001
1,1-Dichloroethane	< 17	ug/kg	17	54	1		8260	QH	7/20/2001
1,1-Dichloroethene	< 18	ug/kg	18	58	1		8260	QH	7/20/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	84	1		8260	QH	7/20/2001
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1		8260	QH	7/20/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1		8260	QH	7/20/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	56	1		8260	QH	7/20/2001
1,2-Dichlorobenzene	< 18	ug/kg	18	58	1		8260	QH	7/20/2001
1,2-Dichloroethane	< 19	ug/kg	19	59	1		8260	QH	7/20/2001
1,2-Dichloropropane	< 17	ug/kg	17	55	1		8260	QH	7/20/2001
1,3,5-Trimethylbenzene	< 18	ug/kg	18	58	1		8260	QH	7/20/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	44	1		8260	QH	7/20/2001
1,3-Dichloropropane	< 21	ug/kg	21	66	1		8260	QH	7/20/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010506
 DATE REPORTED: 30-Jul-01
 DATE RECEIVED: 20-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMESEN

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,4-Dichlorobenzene	< 19	ug/kg	19	61	1		8260	QH	7/20/2001
2,2-Dichloropropane	< 15	ug/kg	15	47	1		8260	QH	7/20/2001
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	QH	7/20/2001
4-Chlorotoluene	< 14	ug/kg	14	45	1		8260	QH	7/20/2001
Benzene	< 14	ug/kg	14	46	1		8260	QH	7/20/2001
Bromobenzene	< 17	ug/kg	17	53	1		8260	QH	7/20/2001
Bromodichloromethane	< 20	ug/kg	20	65	1		8260	QH	7/20/2001
Carbon tetrachloride	< 14	ug/kg	14	46	1		8260	QH	7/20/2001
Chlorobenzene	< 14	ug/kg	14	44	1		8260	QH	7/20/2001
Chloroethane	< 34	ug/kg	34	108	1		8260	QH	7/20/2001
Chloroform	< 13	ug/kg	13	41	1		8260	QH	7/20/2001
Chloromethane	462	ug/kg	26	84	1		8260	QH	7/20/2001
cis-1,2-Dichloroethene	< 14	ug/kg	14	46	1		8260	QH	7/20/2001
Dibromochloromethane	< 22	ug/kg	22	69	1		8260	QH	7/20/2001
Dichlorodifluoromethane	< 14	ug/kg	14	45	1		8260	QH	7/20/2001
Ethylbenzene	15	ug/kg	14	43	1	J	8260	QH	7/20/2001
Hexachlorobutadiene	< 22	ug/kg	22	71	1		8260	QH	7/20/2001
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	QH	7/20/2001
Isopropylbenzene	< 18	ug/kg	18	56	1		8260	QH	7/20/2001
m&p-xylene	65	ug/kg	29	91	1	J	8260	QH	7/20/2001
Methylene chloride	< 16	ug/kg	16	51	1		8260	QH	7/20/2001
MTBE	< 21	ug/kg	21	66	1		8260	QH	7/20/2001
n-Butylbenzene	< 19	ug/kg	19	61	1		8260	QH	7/20/2001
n-Propylbenzene	< 15	ug/kg	15	48	1		8260	QH	7/20/2001
Naphthalene	101	ug/kg	40	128	1	J	8260	QH	7/20/2001
o-xylene	18	ug/kg	13	43	1	J	8260	QH	7/20/2001
p-Isopropyltoluene	< 17	ug/kg	17	53	1		8260	QH	7/20/2001
sec-Butylbenzene	< 18	ug/kg	18	57	1		8260	QH	7/20/2001
tert-Butylbenzene	< 16	ug/kg	16	51	1		8260	QH	7/20/2001
Tetrachloroethene	< 16	ug/kg	16	52	1		8260	QH	7/20/2001
Toluene	< 16	ug/kg	16	50	1		8260	QH	7/20/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	43	1		8260	QH	7/20/2001
Trichloroethene	851	ug/kg	18	59	1		8260	QH	7/20/2001
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	QH	7/20/2001
Vinyl chloride	< 11	ug/kg	11	36	1		8260	QH	7/20/2001

Sample Number: 25062

QC Prep Batch Number: 997828

Collection: 7/20/2001

Time: 13:35

Client ID: ST-5-3E

% Solid = 93.4 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	53	1		8260	QH	7/20/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	75	1		8260	QH	7/20/2001
1,1,2-Trichloroethane	< 23	ug/kg	23	75	1		8260	QH	7/20/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010506
 DATE REPORTED: 30-Jul-01
 DATE RECEIVED: 20-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMESEN

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloroethane	< 17	ug/kg	17	55	1		8260	QH	/ 7/20/2001
1,1-Dichloroethene	< 18	ug/kg	18	58	1		8260	QH	/ 7/20/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	85	1		8260	QH	/ 7/20/2001
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1		8260	QH	/ 7/20/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	51	1		8260	QH	/ 7/20/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	56	1		8260	QH	/ 7/20/2001
1,2-Dichlorobenzene	< 18	ug/kg	18	58	1		8260	QH	/ 7/20/2001
1,2-Dichloroethane	< 19	ug/kg	19	59	1		8260	QH	/ 7/20/2001
1,2-Dichloropropane	< 17	ug/kg	17	55	1		8260	QH	/ 7/20/2001
1,3,5-Trimethylbenzene	< 18	ug/kg	18	59	1		8260	QH	/ 7/20/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	44	1		8260	QH	/ 7/20/2001
1,3-Dichloropropane	< 21	ug/kg	21	66	1		8260	QH	/ 7/20/2001
1,4-Dichlorobenzene	< 19	ug/kg	19	61	1		8260	QH	/ 7/20/2001
2,2-Dichloropropane	< 15	ug/kg	15	47	1		8260	QH	/ 7/20/2001
2-Chlorotoluene	< 16	ug/kg	16	51	1		8260	QH	/ 7/20/2001
4-Chlorotoluene	< 14	ug/kg	14	45	1		8260	QH	/ 7/20/2001
Benzene	< 14	ug/kg	14	46	1		8260	QH	/ 7/20/2001
Bromobenzene	< 17	ug/kg	17	53	1		8260	QH	/ 7/20/2001
Bromodichloromethane	< 21	ug/kg	21	65	1		8260	QH	/ 7/20/2001
Carbon tetrachloride	< 14	ug/kg	14	46	1		8260	QH	/ 7/20/2001
Chlorobenzene	< 14	ug/kg	14	44	1		8260	QH	/ 7/20/2001
Chloroethane	< 34	ug/kg	34	108	1		8260	QH	/ 7/20/2001
Chloroform	< 13	ug/kg	13	41	1		8260	QH	/ 7/20/2001
Chloromethane	113	ug/kg	26	84	1		8260	QH	/ 7/20/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	46	1		8260	QH	/ 7/20/2001
Dibromochloromethane	< 22	ug/kg	22	69	1		8260	QH	/ 7/20/2001
Dichlorodifluoromethane	< 14	ug/kg	14	45	1		8260	QH	/ 7/20/2001
Ethylbenzene	< 14	ug/kg	14	43	1		8260	QH	/ 7/20/2001
Hexachlorobutadiene	< 22	ug/kg	22	71	1		8260	QH	/ 7/20/2001
Isopropyl Ether	< 16	ug/kg	16	51	1		8260	QH	/ 7/20/2001
Isopropylbenzene	< 18	ug/kg	18	56	1		8260	QH	/ 7/20/2001
m&p-xylene	119	ug/kg	29	91	1		8260	QH	/ 7/20/2001
Methylene chloride	< 16	ug/kg	16	52	1		8260	QH	/ 7/20/2001
MTBE	< 21	ug/kg	21	67	1		8260	QH	/ 7/20/2001
n-Butylbenzene	< 19	ug/kg	19	61	1		8260	QH	/ 7/20/2001
n-Propylbenzene	< 15	ug/kg	15	48	1		8260	QH	/ 7/20/2001
Naphthalene	< 40	ug/kg	40	128	1		8260	QH	/ 7/20/2001
o-xylene	40	ug/kg	13	43	1	J	8260	QH	/ 7/20/2001
p-Isopropyltoluene	< 17	ug/kg	17	53	1		8260	QH	/ 7/20/2001
sec-Butylbenzene	< 18	ug/kg	18	57	1		8260	QH	/ 7/20/2001
tert-Butylbenzene	< 16	ug/kg	16	52	1		8260	QH	/ 7/20/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010506
 DATE REPORTED: 30-Jul-01
 DATE RECEIVED: 20-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMESSEN

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Tetrachloroethene	< 16	ug/kg	16	52	1		8260	QH	/ 7/20/2001
Toluene	< 16	ug/kg	16	50	1		8260	QH	/ 7/20/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	43	1		8260	QH	/ 7/20/2001
Trichloroethene	693	ug/kg	18	59	1		8260	QH	/ 7/20/2001
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	QH	/ 7/20/2001
Vinyl chloride	< 11	ug/kg	11	36	1		8260	QH	/ 7/20/2001

Approved By: James Chang Date: 7/20/01
 James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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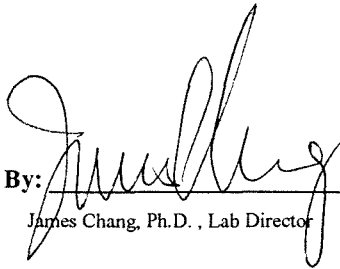
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010519
 DATE REPORTED: 24-Jul-01
 DATE RECEIVED: 24-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25126 QC Prep Batch Number: 997757 Collection: 7/24/2001 Time: 14:45									
Client ID: S-3-25 Sample Description:									
1,1,1-Trichloroethane	149	ug/kg	0.03	0.08	1		8082	qh	/ 7/24/2001
Trichloroethene	1320	ug/kg	0.03	0.08	1		8082	qh	/ 7/24/2001
Sample Number: 25127 QC Prep Batch Number: 997757 Collection: 7/24/2001 Time: 13:05									
Client ID: ST-2-4E Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 7/24/2001
Trichloroethene	719	ug/kg	0.03	0.08	1		8082	qh	/ 7/24/2001
Sample Number: 25128 QC Prep Batch Number: 997757 Collection: 7/24/2001 Time: 13:10									
Client ID: ST-3-4E Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 7/24/2001
Trichloroethene	718	ug/kg	0.03	0.08	1		8082	qh	/ 7/24/2001
Sample Number: 25129 QC Prep Batch Number: 997757 Collection: 7/24/2001 Time: 13:20									
Client ID: ST-7-4E Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 7/24/2001
Trichloroethene	840	ug/kg	0.03	0.08	1		8082	qh	/ 7/24/2001

Approved By: 

Date: 7/24/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010519
 DATE REPORTED: 06-Aug-01
 DATE RECEIVED: 24-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25127		QC Prep Batch Number: 997898				Collection: 7/24/2001			Time: 13:05
Client ID: ST-2-4E		% Solid = 82	%			Sample Description:			
1,1,1-Trichloroethane	< 19	ug/kg	19	61	1	8260	qh		/ 7/24/2001
1,1,2,2-Tetrachloroethane	< 27	ug/kg	27	85	1	8260	qh		/ 7/24/2001
1,1,2-Trichloroethane	< 27	ug/kg	27	85	1	8260	qh		/ 7/24/2001
1,1-Dichloroethane	< 20	ug/kg	20	62	1	8260	qh		/ 7/24/2001
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260	qh		/ 7/24/2001
1,2,3-Trichlorobenzene	< 30	ug/kg	30	96	1	8260	qh		/ 7/24/2001
1,2,4-Trichlorobenzene	< 29	ug/kg	29	91	1	8260	qh		/ 7/24/2001
1,2,4-Trimethylbenzene	< 18	ug/kg	18	58	1	8260	qh		/ 7/24/2001
1,2-Dibromo-3-chloropropan	< 20	ug/kg	20	64	1	8260	qh		/ 7/24/2001
1,2-Dichlorobenzene	< 21	ug/kg	21	66	1	8260	qh		/ 7/24/2001
1,2-Dichloroethane	< 21	ug/kg	21	67	1	8260	qh		/ 7/24/2001
1,2-Dichloropropane	< 20	ug/kg	20	63	1	8260	qh		/ 7/24/2001
1,3,5-Trimethylbenzene	< 21	ug/kg	21	67	1	8260	qh		/ 7/24/2001
1,3-Dichlorobenzene	< 16	ug/kg	16	51	1	8260	qh		/ 7/24/2001
1,3-Dichloropropane	< 24	ug/kg	24	76	1	8260	qh		/ 7/24/2001
1,4-Dichlorobenzene	< 22	ug/kg	22	69	1	8260	qh		/ 7/24/2001
2,2-Dichloropropane	< 17	ug/kg	17	53	1	8260	qh		/ 7/24/2001
2-Chlorotoluene	< 18	ug/kg	18	58	1	8260	qh		/ 7/24/2001
4-Chlorotoluene	< 16	ug/kg	16	51	1	8260	qh		/ 7/24/2001
Benzene	< 16	ug/kg	16	52	1	8260	qh		/ 7/24/2001
Bromobenzene	< 19	ug/kg	19	60	1	8260	qh		/ 7/24/2001
Bromodichloromethane	< 23	ug/kg	23	74	1	8260	qh		/ 7/24/2001
Carbon tetrachloride	< 16	ug/kg	16	52	1	8260	qh		/ 7/24/2001
Chlorobenzene	< 16	ug/kg	16	51	1	8260	qh		/ 7/24/2001
Chloroethane	< 39	ug/kg	39	123	1	8260	qh		/ 7/24/2001
Chloroform	< 15	ug/kg	15	47	1	8260	qh		/ 7/24/2001
Chloromethane	< 30	ug/kg	30	96	1	8260	qh		/ 7/24/2001
cis-1,2-Dichloroethene	< 17	ug/kg	17	53	1	8260	qh		/ 7/24/2001
Dibromochloromethane	< 25	ug/kg	25	79	1	8260	qh		/ 7/24/2001
Dichlorodifluoromethane	< 16	ug/kg	16	52	1	8260	qh		/ 7/24/2001
Ethylbenzene	< 15	ug/kg	15	49	1	8260	qh		/ 7/24/2001
Hexachlorobutadiene	< 25	ug/kg	25	81	1	8260	qh		/ 7/24/2001
Isopropyl Ether	< 18	ug/kg	18	58	1	8260	qh		/ 7/24/2001
Isopropylbenzene	< 20	ug/kg	20	64	1	8260	qh		/ 7/24/2001
m&p-xylene	< 33	ug/kg	33	104	1	8260	qh		/ 7/24/2001
Methylene chloride	< 18	ug/kg	18	59	1	8260	qh		/ 7/24/2001
MTBE	< 24	ug/kg	24	76	1	8260	qh		/ 7/24/2001
n-Butylbenzene	< 22	ug/kg	22	69	1	8260	qh		/ 7/24/2001
n-Propylbenzene	< 17	ug/kg	17	55	1	8260	qh		/ 7/24/2001

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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010519
 DATE REPORTED: 06-Aug-01
 DATE RECEIVED: 24-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 46	ug/kg	46	146	1		8260	qh	/ 7/24/2001
o-xylene	< 15	ug/kg	15	49	1		8260	qh	/ 7/24/2001
p-Isopropyltoluene	< 19	ug/kg	19	61	1		8260	qh	/ 7/24/2001
sec-Butylbenzene	< 21	ug/kg	21	65	1		8260	qh	/ 7/24/2001
tert-Butylbenzene	< 18	ug/kg	18	59	1		8260	qh	/ 7/24/2001
Tetrachloroethene	< 19	ug/kg	19	59	1		8260	qh	/ 7/24/2001
Toluene	< 18	ug/kg	18	57	1		8260	qh	/ 7/24/2001
trans-1,2-Dichloroethene	< 15	ug/kg	15	49	1		8260	qh	/ 7/24/2001
Trichloroethene	876	ug/kg	21	67	1		8260	qh	/ 7/24/2001
Trichlorofluoromethane	< 15	ug/kg	15	47	1		8260	qh	/ 7/24/2001
Vinyl chloride	< 13	ug/kg	13	41	1		8260	qh	/ 7/24/2001

Sample Number: 25128

QC Prep Batch Number: 997898

Collection: 7/24/2001

Time: 13:10

Client ID: ST-3-4E

% Solid = 79 %

Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 20	ug/kg	20	63	1		8260	qh	/ 7/24/2001
1,1,2,2-Tetrachloroethane	< 28	ug/kg	28	88	1		8260	qh	/ 7/24/2001
1,1,2-Trichloroethane	< 28	ug/kg	28	88	1		8260	qh	/ 7/24/2001
1,1-Dichloroethane	< 20	ug/kg	20	64	1		8260	qh	/ 7/24/2001
1,1-Dichloroethene	< 22	ug/kg	22	69	1		8260	qh	/ 7/24/2001
1,2,3-Trichlorobenzene	< 31	ug/kg	31	100	1		8260	qh	/ 7/24/2001
1,2,4-Trichlorobenzene	< 30	ug/kg	30	94	1		8260	qh	/ 7/24/2001
1,2,4-Trimethylbenzene	< 19	ug/kg	19	61	1		8260	qh	/ 7/24/2001
1,2-Dibromo-3-chloropropan	< 21	ug/kg	21	67	1		8260	qh	/ 7/24/2001
1,2-Dichlorobenzene	< 22	ug/kg	22	69	1		8260	qh	/ 7/24/2001
1,2-Dichloroethane	< 22	ug/kg	22	70	1		8260	qh	/ 7/24/2001
1,2-Dichloropropane	< 20	ug/kg	20	65	1		8260	qh	/ 7/24/2001
1,3,5-Trimethylbenzene	< 22	ug/kg	22	69	1		8260	qh	/ 7/24/2001
1,3-Dichlorobenzene	< 16	ug/kg	16	52	1		8260	qh	/ 7/24/2001
1,3-Dichloropropane	< 25	ug/kg	25	79	1		8260	qh	/ 7/24/2001
1,4-Dichlorobenzene	< 23	ug/kg	23	72	1		8260	qh	/ 7/24/2001
2,2-Dichloropropane	< 17	ug/kg	17	55	1		8260	qh	/ 7/24/2001
2-Chlorotoluene	< 19	ug/kg	19	60	1		8260	qh	/ 7/24/2001
4-Chlorotoluene	< 17	ug/kg	17	53	1		8260	qh	/ 7/24/2001
Benzene	< 17	ug/kg	17	54	1		8260	qh	/ 7/24/2001
Bromobenzene	< 20	ug/kg	20	63	1		8260	qh	/ 7/24/2001
Bromodichloromethane	< 24	ug/kg	24	77	1		8260	qh	/ 7/24/2001
Carbon tetrachloride	< 17	ug/kg	17	54	1		8260	qh	/ 7/24/2001
Chlorobenzene	< 16	ug/kg	16	52	1		8260	qh	/ 7/24/2001
Chloroethane	< 40	ug/kg	40	128	1		8260	qh	/ 7/24/2001
Chloroform	< 15	ug/kg	15	49	1		8260	qh	/ 7/24/2001
Chloromethane	< 31	ug/kg	31	99	1		8260	qh	/ 7/24/2001



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W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010519
DATE REPORTED: 06-Aug-01
DATE RECEIVED: 24-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 17	ug/kg	17	55	1		8260	qh	/ 7/24/2001
Dibromochloromethane	< 26	ug/kg	26	82	1		8260	qh	/ 7/24/2001
Dichlorodifluoromethane	< 17	ug/kg	17	54	1		8260	qh	/ 7/24/2001
Ethylbenzene	54	ug/kg	16	51	1		8260	qh	/ 7/24/2001
Hexachlorobutadiene	< 26	ug/kg	26	84	1		8260	qh	/ 7/24/2001
Isopropyl Ether	< 19	ug/kg	19	60	1		8260	qh	/ 7/24/2001
Isopropylbenzene	< 21	ug/kg	21	66	1		8260	qh	/ 7/24/2001
m&p-xylene	< 34	ug/kg	34	108	1		8260	qh	/ 7/24/2001
Methylene chloride	< 19	ug/kg	19	61	1		8260	qh	/ 7/24/2001
MTBE	< 25	ug/kg	25	79	1		8260	qh	/ 7/24/2001
n-Butylbenzene	< 23	ug/kg	23	72	1		8260	qh	/ 7/24/2001
n-Propylbenzene	< 18	ug/kg	18	57	1		8260	qh	/ 7/24/2001
Naphthalene	< 48	ug/kg	48	152	1		8260	qh	/ 7/24/2001
o-xylene	< 16	ug/kg	16	50	1		8260	qh	/ 7/24/2001
p-Isopropyltoluene	< 20	ug/kg	20	63	1		8260	qh	/ 7/24/2001
sec-Butylbenzene	< 21	ug/kg	21	68	1		8260	qh	/ 7/24/2001
tert-Butylbenzene	< 19	ug/kg	19	61	1		8260	qh	/ 7/24/2001
Tetrachloroethene	< 19	ug/kg	19	62	1		8260	qh	/ 7/24/2001
Toluene	< 18	ug/kg	18	59	1		8260	qh	/ 7/24/2001
trans-1,2-Dichloroethene	< 16	ug/kg	16	51	1		8260	qh	/ 7/24/2001
Trichloroethene	909	ug/kg	22	69	1		8260	qh	/ 7/24/2001
Trichlorofluoromethane	< 15	ug/kg	15	48	1		8260	qh	/ 7/24/2001
Vinyl chloride	< 14	ug/kg	14	43	1		8260	qh	/ 7/24/2001

Approved By: James Chang

Date: 8/6/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name:
TECUMSEH - GRAFTON

Project ID:
1069010

Project Manager: CURT HOFFART
 Company: KEY ENGINEERING
 Address: 666 N215 COMMERCE CT
 City/State/Zip: CEORUSVILLE, WI 53001
 Phone: 262-325-4750 Fax: 262-325-4750

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
01 TCE/TRA (ECD)	SOIL	X	X																
02 TCE/TRA (GC/MS)	SOIL																		
03 % SOLIDS																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			
Additional Information:		Collection Time	7/26/01 2:20 PM	7/26/01 2:30 PM															
		Collection Date	7/26/01	7/26/01															
		Sample ID	S-3-26	S-3-27															
		Lab ID	25153	25154															

Relinquished By: <i>[Signature]</i>	Date/Time 7/26/01 15:30	Received By: <i>[Signature]</i>	Special Instructions:
--	-------------------------------	------------------------------------	-----------------------



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012


ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010525
 DATE REPORTED: 27-Jul-01
 DATE RECEIVED: 26-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25153	QC Prep Batch Number: 997806				Collection: 7/26/2001	Time: 14:20			
Client ID: S-3-26	Sample Description:								
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/26/2001
Trichloroethene	457	ug/kg	0.03	0.08	1	8082	tm		/ 7/26/2001

Sample Number: 25154	QC Prep Batch Number: 997806				Collection: 7/26/2001	Time: 14:30			
Client ID: S-3-27	Sample Description:								
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/26/2001
Trichloroethene	927	ug/kg	0.03	0.08	1	8082	tm		/ 7/26/2001

Approved By: 

Date: 

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010525
 DATE REPORTED: 29-Aug-01
 DATE RECEIVED: 26-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25153		QC Prep Batch Number: 997817				Collection: 7/26/2001			Time: 14:20
Client ID: S-3-26		% Solid = 91	%			Sample Description:			
1,1,1-Trichloroethane	< 17	ug/kg	17	55	1	8260	Admin		7/26/2001 / 7/26/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	77	1	8260	Admin		7/26/2001 / 7/26/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	77	1	8260	Admin		7/26/2001 / 7/26/2001
1,1-Dichloroethane	< 18	ug/kg	18	56	1	8260	Admin		7/26/2001 / 7/26/2001
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	Admin		7/26/2001 / 7/26/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	87	1	8260	Admin		7/26/2001 / 7/26/2001
1,2,4-Trichlorobenzene	< 26	ug/kg	26	82	1	8260	Admin		7/26/2001 / 7/26/2001
1,2,4-Trimethylbenzene	< 17	ug/kg	17	53	1	8260	Admin		7/26/2001 / 7/26/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	58	1	8260	Admin		7/26/2001 / 7/26/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	Admin		7/26/2001 / 7/26/2001
1,2-Dichloroethane	< 19	ug/kg	19	61	1	8260	Admin		7/26/2001 / 7/26/2001
1,2-Dichloropropane	< 18	ug/kg	18	56	1	8260	Admin		7/26/2001 / 7/26/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	60	1	8260	Admin		7/26/2001 / 7/26/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	46	1	8260	Admin		7/26/2001 / 7/26/2001
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260	Admin		7/26/2001 / 7/26/2001
1,4-Dichlorobenzene	< 20	ug/kg	20	62	1	8260	Admin		7/26/2001 / 7/26/2001
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	Admin		7/26/2001 / 7/26/2001
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260	Admin		7/26/2001 / 7/26/2001
4-Chlorotoluene	< 15	ug/kg	15	46	1	8260	Admin		7/26/2001 / 7/26/2001
Benzene	< 15	ug/kg	15	47	1	8260	Admin		7/26/2001 / 7/26/2001
Bromobenzene	< 17	ug/kg	17	54	1	8260	Admin		7/26/2001 / 7/26/2001
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	Admin		7/26/2001 / 7/26/2001
Carbon tetrachloride	< 15	ug/kg	15	47	1	8260	Admin		7/26/2001 / 7/26/2001
Chlorobenzene	< 14	ug/kg	14	46	1	8260	Admin		7/26/2001 / 7/26/2001
Chloroethane	< 35	ug/kg	35	111	1	8260	Admin		7/26/2001 / 7/26/2001
Chloroform	< 13	ug/kg	13	42	1	8260	Admin		7/26/2001 / 7/26/2001
Chloromethane	162	ug/kg	27	86	1	8260	Admin		7/26/2001 / 7/26/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1	8260	Admin		7/26/2001 / 7/26/2001
Dibromochloromethane	< 22	ug/kg	22	71	1	8260	Admin		7/26/2001 / 7/26/2001
Dichlorodifluoromethane	< 15	ug/kg	15	47	1	8260	Admin		7/26/2001 / 7/26/2001
Ethylbenzene	< 14	ug/kg	14	44	1	8260	Admin		7/26/2001 / 7/26/2001
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	Admin		7/26/2001 / 7/26/2001
Isopropyl Ether	< 16	ug/kg	16	52	1	8260	Admin		7/26/2001 / 7/26/2001
Isopropylbenzene	< 18	ug/kg	18	57	1	8260	Admin		7/26/2001 / 7/26/2001
m&p-xylene	< 29	ug/kg	29	93	1	8260	Admin		7/26/2001 / 7/26/2001
Methylene chloride	< 17	ug/kg	17	53	1	8260	Admin		7/26/2001 / 7/26/2001
MTBE	< 21	ug/kg	21	68	1	8260	Admin		7/26/2001 / 7/26/2001
n-Butylbenzene	< 20	ug/kg	20	63	1	8260	Admin		7/26/2001 / 7/26/2001
n-Propylbenzene	< 15	ug/kg	15	49	1	8260	Admin		7/26/2001 / 7/26/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warranties, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010525
 DATE REPORTED: 29-Aug-01
 DATE RECEIVED: 26-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 41	ug/kg	41	132	1	8260	Admin		7/26/2001 / 7/26/2001
o-xylene	< 14	ug/kg	14	44	1	8260	Admin		7/26/2001 / 7/26/2001
p-Isopropyltoluene	< 17	ug/kg	17	55	1	8260	Admin		7/26/2001 / 7/26/2001
sec-Butylbenzene	< 19	ug/kg	19	59	1	8260	Admin		7/26/2001 / 7/26/2001
tert-Butylbenzene	< 17	ug/kg	17	53	1	8260	Admin		7/26/2001 / 7/26/2001
Tetrachloroethene	< 17	ug/kg	17	53	1	8260	Admin		7/26/2001 / 7/26/2001
Toluene	< 16	ug/kg	16	51	1	8260	Admin		7/26/2001 / 7/26/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1	8260	Admin		7/26/2001 / 7/26/2001
Trichloroethene	502	ug/kg	19	60	1	8260	Admin		7/26/2001 / 7/26/2001
Trichlorofluoromethane	< 13	ug/kg	13	42	1	8260	Admin		7/26/2001 / 7/26/2001
Vinyl chloride	< 12	ug/kg	12	37	1	8260	Admin		7/26/2001 / 7/26/2001

Sample Number: 25154

QC Prep Batch Number: 997928

Collection: 7/26/2001

Time: 14:30

Client ID: S-3-27

% Solid = 84.7 %

Sample Description:

1,1,1-Trichloroethane	< 18	ug/kg	18	59	1	8260	Admin		7/26/2001
1,1,2,2-Tetrachloroethane	< 26	ug/kg	26	83	1	8260	Admin		7/26/2001
1,1,2-Trichloroethane	< 26	ug/kg	26	82	1	8260	Admin		7/26/2001
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260	Admin		7/26/2001
1,1-Dichloroethene	< 20	ug/kg	20	64	1	8260	Admin		7/26/2001
1,2,3-Trichlorobenzene	< 29	ug/kg	29	93	1	8260	Admin		7/26/2001
1,2,4-Trichlorobenzene	< 28	ug/kg	28	88	1	8260	Admin		7/26/2001
1,2,4-Trimethylbenzene	< 18	ug/kg	18	57	1	8260	Admin		7/26/2001
1,2-Dibromo-3-chloropropan	< 20	ug/kg	20	62	1	8260	Admin		7/26/2001
1,2-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	Admin		7/26/2001
1,2-Dichloroethane	< 20	ug/kg	20	65	1	8260	Admin		7/26/2001
1,2-Dichloropropane	< 19	ug/kg	19	61	1	8260	Admin		7/26/2001
1,3,5-Trimethylbenzene	< 20	ug/kg	20	65	1	8260	Admin		7/26/2001
1,3-Dichlorobenzene	< 15	ug/kg	15	49	1	8260	Admin		7/26/2001
1,3-Dichloropropane	< 23	ug/kg	23	73	1	8260	Admin		7/26/2001
1,4-Dichlorobenzene	< 21	ug/kg	21	67	1	8260	Admin		7/26/2001
2,2-Dichloropropane	< 16	ug/kg	16	52	1	8260	Admin		7/26/2001
2-Chlorotoluene	< 18	ug/kg	18	56	1	8260	Admin		7/26/2001
4-Chlorotoluene	< 16	ug/kg	16	50	1	8260	Admin		7/26/2001
Benzene	< 16	ug/kg	16	51	1	8260	Admin		7/26/2001
Bromobenzene	< 18	ug/kg	18	58	1	8260	Admin		7/26/2001
Bromodichloromethane	< 23	ug/kg	23	72	1	8260	Admin		7/26/2001
Carbon tetrachloride	< 16	ug/kg	16	50	1	8260	Admin		7/26/2001
Chlorobenzene	< 15	ug/kg	15	49	1	8260	Admin		7/26/2001
Chloroethane	< 38	ug/kg	38	119	1	8260	Admin		7/26/2001
Chloroform	< 14	ug/kg	14	45	1	8260	Admin		7/26/2001
Chloromethane	166	ug/kg	29	93	1	8260	Admin		7/26/2001

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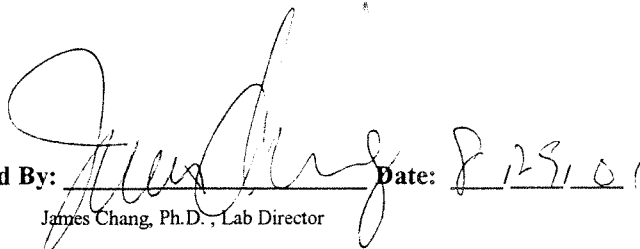
Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010525
 DATE REPORTED: 29-Aug-01
 DATE RECEIVED: 26-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethane	< 16	ug/kg	16	51	1		8260	Admin	/ 7/26/2001
Dibromochloromethane	< 24	ug/kg	24	76	1		8260	Admin	/ 7/26/2001
Dichlorodifluoromethane	< 16	ug/kg	16	50	1		8260	Admin	/ 7/26/2001
Ethylbenzene	< 15	ug/kg	15	48	1		8260	Admin	/ 7/26/2001
Hexachlorobutadiene	< 25	ug/kg	25	79	1		8260	Admin	/ 7/26/2001
Isopropyl Ether	< 18	ug/kg	18	56	1		8260	Admin	/ 7/26/2001
Isopropylbenzene	< 19	ug/kg	19	62	1		8260	Admin	/ 7/26/2001
m&p-xylene	< 32	ug/kg	32	100	1		8260	Admin	/ 7/26/2001
Methylene chloride	< 18	ug/kg	18	57	1		8260	Admin	/ 7/26/2001
MTBE	< 23	ug/kg	23	73	1		8260	Admin	/ 7/26/2001
n-Butylbenzene	< 21	ug/kg	21	67	1		8260	Admin	/ 7/26/2001
n-Propylbenzene	< 17	ug/kg	17	53	1		8260	Admin	/ 7/26/2001
Naphthalene	< 45	ug/kg	45	142	1		8260	Admin	/ 7/26/2001
o-xylene	< 15	ug/kg	15	47	1		8260	Admin	/ 7/26/2001
p-Isopropyltoluene	< 19	ug/kg	19	59	1		8260	Admin	/ 7/26/2001
sec-Butylbenzene	< 20	ug/kg	20	63	1		8260	Admin	/ 7/26/2001
tert-Butylbenzene	< 18	ug/kg	18	57	1		8260	Admin	/ 7/26/2001
Tetrachloroethene	1090	ug/kg	18	57	1		8260	Admin	/ 7/26/2001
Toluene	< 17	ug/kg	17	55	1		8260	Admin	/ 7/26/2001
trans-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	Admin	/ 7/26/2001
Trichloroethene	< 20	ug/kg	20	65	1		8260	Admin	/ 7/26/2001
Trichlorofluoromethane	< 14	ug/kg	14	45	1		8260	Admin	/ 7/26/2001
Vinyl chloride	< 13	ug/kg	13	40	1		8260	Admin	/ 7/26/2001

Approved By: 

Date: 8/29/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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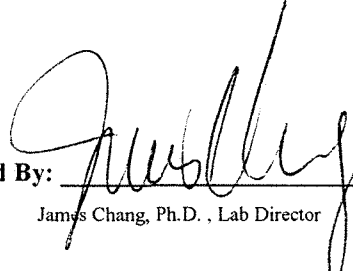
Curt Hoffart
 Key Engineering Group, LTD.
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010530
 DATE REPORTED: 30-Jul-01
 DATE RECEIVED: 27-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25162 QC Prep Batch Number: 997814 Collection: 7/27/2001 Time: 10:40 Client ID: S-3-28 Sample Description:									
1,1,1-Trichloroethane	193	ug/kg	0.03	0.08	1		8082	qh	/ 7/27/2001
Trichloroethene	48	ug/kg	0.03	0.08	1		8082	qh	/ 7/27/2001
Sample Number: 25163 QC Prep Batch Number: 997814 Collection: 7/27/2001 Time: 10:50 Client ID: S-3-29 Sample Description:									
1,1,1-Trichloroethane	256	ug/kg	0.03	0.08	1		8082	qh	/ 7/27/2001
Trichloroethene	196	ug/kg	0.03	0.08	1		8082	qh	/ 7/27/2001

Approved By: 

James Chang, Ph.D., Lab Director

Date: 7/30/01

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010530
 DATE REPORTED: 02-Aug-01
 DATE RECEIVED: 27-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25162		QC Prep Batch Number: 997860			Collection: 2001-7-27		Time: 10:40		
Client ID: S-3-28		% Solid = 87.6 %		Sample Description:					
1,1,1-Trichloroethane	220	ug/kg	18	57	1	8260	qh		/ 2001-7-27
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	80	1	8260	qh		/ 2001-7-27
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	qh		/ 2001-7-27
1,1-Dichloroethane	< 18	ug/kg	18	58	1	8260	qh		/ 2001-7-27
1,1-Dichloroethene	< 20	ug/kg	20	62	1	8260	qh		/ 2001-7-27
1,2,3-Trichlorobenzene	< 28	ug/kg	28	90	1	8260	qh		/ 2001-7-27
1,2,4-Trichlorobenzene	< 27	ug/kg	27	85	1	8260	qh		/ 2001-7-27
1,2,4-Trimethylbenzene	< 17	ug/kg	17	55	1	8260	qh		/ 2001-7-27
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	60	1	8260	qh		/ 2001-7-27
1,2-Dichlorobenzene	< 19	ug/kg	19	62	1	8260	qh		/ 2001-7-27
1,2-Dichloroethane	< 20	ug/kg	20	63	1	8260	qh		/ 2001-7-27
1,2-Dichloropropane	< 18	ug/kg	18	59	1	8260	qh		/ 2001-7-27
1,3,5-Trimethylbenzene	< 20	ug/kg	20	62	1	8260	qh		/ 2001-7-27
1,3-Dichlorobenzene	< 15	ug/kg	15	47	1	8260	qh		/ 2001-7-27
1,3-Dichloropropane	< 22	ug/kg	22	71	1	8260	qh		/ 2001-7-27
1,4-Dichlorobenzene	< 20	ug/kg	20	65	1	8260	qh		/ 2001-7-27
2,2-Dichloropropane	< 16	ug/kg	16	50	1	8260	qh		/ 2001-7-27
2-Chlorotoluene	< 17	ug/kg	17	54	1	8260	qh		/ 2001-7-27
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	qh		/ 2001-7-27
Benzene	< 15	ug/kg	15	49	1	8260	qh		/ 2001-7-27
Bromobenzene	< 18	ug/kg	18	56	1	8260	qh		/ 2001-7-27
Bromodichloromethane	< 22	ug/kg	22	70	1	8260	qh		/ 2001-7-27
Carbon tetrachloride	< 15	ug/kg	15	49	1	8260	qh		/ 2001-7-27
Chlorobenzene	< 15	ug/kg	15	47	1	8260	qh		/ 2001-7-27
Chloroethane	< 36	ug/kg	36	115	1	8260	qh		/ 2001-7-27
Chloroform	< 14	ug/kg	14	44	1	8260	qh		/ 2001-7-27
Chloromethane	73	ug/kg	28	90	1	J 8260	qh		/ 2001-7-27
cis-1,2-Dichloroethene	< 15	ug/kg	15	49	1	8260	qh		/ 2001-7-27
Dibromochloromethane	< 23	ug/kg	23	74	1	8260	qh		/ 2001-7-27
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	qh		/ 2001-7-27
Ethylbenzene	< 14	ug/kg	14	46	1	8260	qh		/ 2001-7-27
Hexachlorobutadiene	< 24	ug/kg	24	76	1	8260	qh		/ 2001-7-27
Isopropyl Ether	< 17	ug/kg	17	54	1	8260	qh		/ 2001-7-27
Isopropylbenzene	< 19	ug/kg	19	59	1	8260	qh		/ 2001-7-27
m&p-xylene	< 31	ug/kg	31	97	1	8260	qh		/ 2001-7-27
Methylene chloride	< 17	ug/kg	17	55	1	8260	qh		/ 2001-7-27
MTBE	< 22	ug/kg	22	71	1	8260	qh		/ 2001-7-27
n-Butylbenzene	< 20	ug/kg	20	65	1	8260	qh		/ 2001-7-27
n-Propylbenzene	< 16	ug/kg	16	51	1	8260	qh		/ 2001-7-27

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010530
 DATE REPORTED: 02-Aug-01
 DATE RECEIVED: 27-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 43	ug/kg	43	137	1		8260	qh	/ 2001-7-27
o-xylene	< 14	ug/kg	14	45	1		8260	qh	/ 2001-7-27
p-Isopropyltoluene	< 18	ug/kg	18	57	1		8260	qh	/ 2001-7-27
sec-Butylbenzene	< 19	ug/kg	19	61	1		8260	qh	/ 2001-7-27
tert-Butylbenzene	< 17	ug/kg	17	55	1		8260	qh	/ 2001-7-27
Tetrachloroethene	< 17	ug/kg	17	56	1		8260	qh	/ 2001-7-27
Toluene	< 17	ug/kg	17	53	1		8260	qh	/ 2001-7-27
trans-1,2-Dichloroethene	< 14	ug/kg	14	46	1		8260	qh	/ 2001-7-27
Trichloroethene	55	ug/kg	20	63	1	J	8260	qh	/ 2001-7-27
Trichlorofluoromethane	< 14	ug/kg	14	44	1		8260	qh	/ 2001-7-27
Vinyl chloride	< 12	ug/kg	12	39	1		8260	qh	/ 2001-7-27

Sample Number: 25163

QC Prep Batch Number: 997860

Collection: 2001-7-27

Time: 10:50

Client ID: S-3-29

% Solid = 84.2 %

Sample Description:

1,1,1-Trichloroethane	304	ug/kg	19	59	1		8260	qh	/ 2001-7-27
1,1,2,2-Tetrachloroethane	< 26	ug/kg	26	83	1		8260	qh	/ 2001-7-27
1,1,2-Trichloroethane	< 26	ug/kg	26	83	1		8260	qh	/ 2001-7-27
1,1-Dichloroethane	< 19	ug/kg	19	60	1		8260	qh	/ 2001-7-27
1,1-Dichloroethene	< 20	ug/kg	20	65	1		8260	qh	/ 2001-7-27
1,2,3-Trichlorobenzene	< 30	ug/kg	30	94	1		8260	qh	/ 2001-7-27
1,2,4-Trichlorobenzene	< 28	ug/kg	28	88	1		8260	qh	/ 2001-7-27
1,2,4-Trimethylbenzene	< 18	ug/kg	18	57	1		8260	qh	/ 2001-7-27
1,2-Dibromo-3-chloropropan	< 20	ug/kg	20	63	1		8260	qh	/ 2001-7-27
1,2-Dichlorobenzene	< 20	ug/kg	20	64	1		8260	qh	/ 2001-7-27
1,2-Dichloroethane	< 21	ug/kg	21	66	1		8260	qh	/ 2001-7-27
1,2-Dichloropropane	< 19	ug/kg	19	61	1		8260	qh	/ 2001-7-27
1,3,5-Trimethylbenzene	< 20	ug/kg	20	65	1		8260	qh	/ 2001-7-27
1,3-Dichlorobenzene	< 15	ug/kg	15	49	1		8260	qh	/ 2001-7-27
1,3-Dichloropropane	< 23	ug/kg	23	74	1		8260	qh	/ 2001-7-27
1,4-Dichlorobenzene	< 21	ug/kg	21	67	1		8260	qh	/ 2001-7-27
2,2-Dichloropropane	< 16	ug/kg	16	52	1		8260	qh	/ 2001-7-27
2-Chlorotoluene	< 18	ug/kg	18	56	1		8260	qh	/ 2001-7-27
4-Chlorotoluene	< 16	ug/kg	16	50	1		8260	qh	/ 2001-7-27
Benzene	< 16	ug/kg	16	51	1		8260	qh	/ 2001-7-27
Bromobenzene	< 18	ug/kg	18	59	1		8260	qh	/ 2001-7-27
Bromodichloromethane	< 23	ug/kg	23	72	1		8260	qh	/ 2001-7-27
Carbon tetrachloride	< 16	ug/kg	16	51	1		8260	qh	/ 2001-7-27
Chlorobenzene	< 15	ug/kg	15	49	1		8260	qh	/ 2001-7-27
Chloroethane	< 38	ug/kg	38	120	1		8260	qh	/ 2001-7-27
Chloroform	< 14	ug/kg	14	46	1		8260	qh	/ 2001-7-27
Chloromethane	73	ug/kg	29	93	1	J	8260	qh	/ 2001-7-27

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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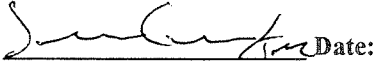
Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010530
 DATE REPORTED: 02-Aug-01
 DATE RECEIVED: 27-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 16	ug/kg	16	51	1		8260	qh	/ 2001-7-27
Dibromochloromethane	< 24	ug/kg	24	77	1		8260	qh	/ 2001-7-27
Dichlorodifluoromethane	< 16	ug/kg	16	50	1		8260	qh	/ 2001-7-27
Ethylbenzene	< 15	ug/kg	15	48	1		8260	qh	/ 2001-7-27
Hexachlorobutadiene	< 25	ug/kg	25	79	1		8260	qh	/ 2001-7-27
Isopropyl Ether	< 18	ug/kg	18	56	1		8260	qh	/ 2001-7-27
Isopropylbenzene	< 19	ug/kg	19	62	1		8260	qh	/ 2001-7-27
m&p-xylene	< 32	ug/kg	32	101	1		8260	qh	/ 2001-7-27
Methylene chloride	< 18	ug/kg	18	57	1		8260	qh	/ 2001-7-27
MTBE	< 23	ug/kg	23	74	1		8260	qh	/ 2001-7-27
n-Butylbenzene	< 21	ug/kg	21	68	1		8260	qh	/ 2001-7-27
n-Propylbenzene	< 17	ug/kg	17	53	1		8260	qh	/ 2001-7-27
Naphthalene	< 45	ug/kg	45	143	1		8260	qh	/ 2001-7-27
o-xylene	< 15	ug/kg	15	47	1		8260	qh	/ 2001-7-27
p-Isopropyltoluene	< 19	ug/kg	19	59	1		8260	qh	/ 2001-7-27
sec-Butylbenzene	< 20	ug/kg	20	64	1		8260	qh	/ 2001-7-27
tert-Butylbenzene	< 18	ug/kg	18	57	1		8260	qh	/ 2001-7-27
Tetrachloroethene	< 18	ug/kg	18	58	1		8260	qh	/ 2001-7-27
Toluene	< 17	ug/kg	17	55	1		8260	qh	/ 2001-7-27
trans-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	qh	/ 2001-7-27
Trichloroethene	233	ug/kg	20	65	1		8260	qh	/ 2001-7-27
Trichlorofluoromethane	< 14	ug/kg	14	45	1		8260	qh	/ 2001-7-27
Vinyl chloride	< 13	ug/kg	13	40	1		8260	qh	/ 2001-7-27

Approved By: 

Date: 8/2/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010550
 DATE REPORTED: 01-Aug-01
 DATE RECEIVED: 31-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: W 66 N 215 Co

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25233		QC Prep Batch Number: 997852		Collection: 7/31/2001		Time: 14:15			
Client ID: NT-1-1E									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Trichloroethene	204	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Sample Number: 25234		QC Prep Batch Number: 997852		Collection: 7/31/2001		Time: 14:10			
Client ID: NT-2-1E									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Trichloroethene	110	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Sample Number: 25235		QC Prep Batch Number: 997852		Collection: 7/31/2001		Time: 14:05			
Client ID: NT-3-1E									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Trichloroethene	209	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Sample Number: 25236		QC Prep Batch Number: 997852		Collection: 7/31/2001		Time: 14:00			
Client ID: NT-4-1E									
1,1,1-Trichloroethane	0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Trichloroethene	1090	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Sample Number: 25237		QC Prep Batch Number: 997852		Collection: 7/31/2001		Time: 15:00			
Client ID: NT-5-1E									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Trichloroethene	806	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Sample Number: 25238		QC Prep Batch Number: 997852		Collection: 7/31/2001		Time: 14:50			
Client ID: NT-6-1E									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Trichloroethene	101	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Sample Number: 25239		QC Prep Batch Number: 997852		Collection: 7/31/2001		Time: 14:45			
Client ID: NT-7-1E									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Trichloroethene	197	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001



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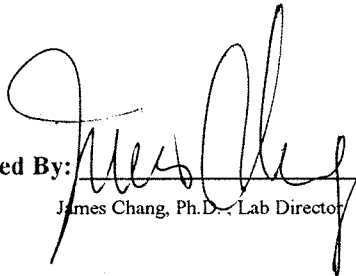
ORGANIC REPORT

WDNR# 241340550

Curt Hoffart
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 W66 N215 Commerce Court
 Cedarburg, WI 53012

BATCH NUMBER: 20010550
 DATE REPORTED: 01-Aug-01
 DATE RECEIVED: 31-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: W 66 N 215 Co

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25240	QC Prep Batch Number: 997852					Collection: 7/31/2001	Time: 14:40		
Client ID: NT-8-1E						Sample Description:			
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001
Trichloroethene	128	ug/kg	0.03	0.08	1	8082	tm		/ 7/31/2001

Approved By:  Date: 8/1/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier: "J" = Results between LOD and LOQ, "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010550
 DATE REPORTED: 02-Aug-01
 DATE RECEIVED: 31-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: W 66 N 215 Co

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25235									
Client ID: NT-3-IE									
QC Prep Batch Number: 997875									
Collection: 7/31/2001									
Time: 14:05									
% Solid = 86.8 %									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1	8260	qh		/ 7/31/2001
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	81	1	8260	qh		/ 7/31/2001
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	qh		/ 7/31/2001
1,1-Dichloroethane	< 18	ug/kg	18	59	1	8260	qh		/ 7/31/2001
1,1-Dichloroethene	< 20	ug/kg	20	63	1	8260	qh		/ 7/31/2001
1,2,3-Trichlorobenzene	< 29	ug/kg	29	91	1	8260	qh		/ 7/31/2001
1,2,4-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	qh		/ 7/31/2001
1,2,4-Trimethylbenzene	< 17	ug/kg	17	55	1	8260	qh		/ 7/31/2001
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	61	1	8260	qh		/ 7/31/2001
1,2-Dichlorobenzene	< 20	ug/kg	20	62	1	8260	qh		/ 7/31/2001
1,2-Dichloroethane	< 20	ug/kg	20	64	1	8260	qh		/ 7/31/2001
1,2-Dichloropropane	< 19	ug/kg	19	59	1	8260	qh		/ 7/31/2001
1,3,5-Trimethylbenzene	< 20	ug/kg	20	63	1	8260	qh		/ 7/31/2001
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1	8260	qh		/ 7/31/2001
1,3-Dichloropropane	< 22	ug/kg	22	72	1	8260	qh		/ 7/31/2001
1,4-Dichlorobenzene	< 21	ug/kg	21	65	1	8260	qh		/ 7/31/2001
2,2-Dichloropropane	< 16	ug/kg	16	50	1	8260	qh		/ 7/31/2001
2-Chlorotoluene	< 17	ug/kg	17	55	1	8260	qh		/ 7/31/2001
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	qh		/ 7/31/2001
Benzene	< 16	ug/kg	16	49	1	8260	qh		/ 7/31/2001
Bromobenzene	< 18	ug/kg	18	57	1	8260	qh		/ 7/31/2001
Bromodichloromethane	< 22	ug/kg	22	70	1	8260	qh		/ 7/31/2001
Carbon tetrachloride	< 15	ug/kg	15	49	1	8260	qh		/ 7/31/2001
Chlorobenzene	< 15	ug/kg	15	48	1	8260	qh		/ 7/31/2001
Chloroethane	< 37	ug/kg	37	116	1	8260	qh		/ 7/31/2001
Chloroform	< 14	ug/kg	14	44	1	8260	qh		/ 7/31/2001
Chloromethane	< 28	ug/kg	28	90	1	8260	qh		/ 7/31/2001
cis-1,2-Dichloroethene	< 16	ug/kg	16	50	1	8260	qh		/ 7/31/2001
Dibromochloromethane	< 23	ug/kg	23	75	1	8260	qh		/ 7/31/2001
Dichlorodifluoromethane	< 15	ug/kg	15	49	1	8260	qh		/ 7/31/2001
Ethylbenzene	< 15	ug/kg	15	46	1	8260	qh		/ 7/31/2001
Hexachlorobutadiene	< 24	ug/kg	24	77	1	8260	qh		/ 7/31/2001
Isopropyl Ether	< 17	ug/kg	17	55	1	8260	qh		/ 7/31/2001
Isopropylbenzene	< 19	ug/kg	19	60	1	8260	qh		/ 7/31/2001
m&p-xylene	< 31	ug/kg	31	98	1	8260	qh		/ 7/31/2001
Methylene chloride	< 17	ug/kg	17	56	1	8260	qh		/ 7/31/2001
MTBE	< 23	ug/kg	23	72	1	8260	qh		/ 7/31/2001
n-Butylbenzene	< 21	ug/kg	21	66	1	8260	qh		/ 7/31/2001
n-Propylbenzene	< 16	ug/kg	16	52	1	8260	qh		/ 7/31/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010550
 DATE REPORTED: 02-Aug-01
 DATE RECEIVED: 31-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: W 66 N 215 Co

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 43	ug/kg	43	138	1	8260	qh		/ 7/31/2001
o-xylene	< 14	ug/kg	14	46	1	8260	qh		/ 7/31/2001
p-Isopropyltoluene	< 18	ug/kg	18	58	1	8260	qh		/ 7/31/2001
sec-Butylbenzene	< 19	ug/kg	19	62	1	8260	qh		/ 7/31/2001
tert-Butylbenzene	< 17	ug/kg	17	55	1	8260	qh		/ 7/31/2001
Tetrachloroethene	< 18	ug/kg	18	56	1	8260	qh		/ 7/31/2001
Toluene	< 17	ug/kg	17	53	1	8260	qh		/ 7/31/2001
trans-1,2-Dichloroethene	< 15	ug/kg	15	46	1	8260	qh		/ 7/31/2001
Trichloroethene	241	ug/kg	20	63	1	8260	qh		/ 7/31/2001
Trichlorofluoromethane	< 14	ug/kg	14	44	1	8260	qh		/ 7/31/2001
Vinyl chloride	< 12	ug/kg	12	39	1	8260	qh		/ 7/31/2001

Sample Number: 25237

QC Prep Batch Number: 997875

Collection: 7/31/2001

Time: 15:00

Client ID: NT-5-1E

% Solid = 86.9 %

Sample Description:

1,1,1-Trichloroethane	< 18	ug/kg	18	57	1	8260	qh		/ 7/31/2001
1,1,1,2-Tetrachloroethane	< 25	ug/kg	25	80	1	8260	qh		/ 7/31/2001
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	qh		/ 7/31/2001
1,1-Dichloroethane	< 18	ug/kg	18	59	1	8260	qh		/ 7/31/2001
1,1-Dichloroethene	< 20	ug/kg	20	63	1	8260	qh		/ 7/31/2001
1,2,3-Trichlorobenzene	< 29	ug/kg	29	91	1	8260	qh		/ 7/31/2001
1,2,4-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	qh		/ 7/31/2001
1,2,4-Trimethylbenzene	< 17	ug/kg	17	55	1	8260	qh		/ 7/31/2001
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	61	1	8260	qh		/ 7/31/2001
1,2-Dichlorobenzene	< 20	ug/kg	20	62	1	8260	qh		/ 7/31/2001
1,2-Dichloroethane	< 20	ug/kg	20	64	1	8260	qh		/ 7/31/2001
1,2-Dichloropropane	< 19	ug/kg	19	59	1	8260	qh		/ 7/31/2001
1,3,5-Trimethylbenzene	< 20	ug/kg	20	63	1	8260	qh		/ 7/31/2001
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1	8260	qh		/ 7/31/2001
1,3-Dichloropropane	< 22	ug/kg	22	71	1	8260	qh		/ 7/31/2001
1,4-Dichlorobenzene	< 21	ug/kg	21	65	1	8260	qh		/ 7/31/2001
2,2-Dichloropropane	< 16	ug/kg	16	50	1	8260	qh		/ 7/31/2001
2-Chlorotoluene	< 17	ug/kg	17	55	1	8260	qh		/ 7/31/2001
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	qh		/ 7/31/2001
Benzene	< 15	ug/kg	15	49	1	8260	qh		/ 7/31/2001
Bromobenzene	< 18	ug/kg	18	57	1	8260	qh		/ 7/31/2001
Bromodichloromethane	< 22	ug/kg	22	70	1	8260	qh		/ 7/31/2001
Carbon tetrachloride	< 15	ug/kg	15	49	1	8260	qh		/ 7/31/2001
Chlorobenzene	< 15	ug/kg	15	48	1	8260	qh		/ 7/31/2001
Chloroethane	< 37	ug/kg	37	116	1	8260	qh		/ 7/31/2001
Chloroform	< 14	ug/kg	14	44	1	8260	qh		/ 7/31/2001
Chloromethane	< 28	ug/kg	28	90	1	8260	qh		/ 7/31/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by the terms and conditions set forth herein.



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010550
 DATE REPORTED: 02-Aug-01
 DATE RECEIVED: 31-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: W 66 N 215 Co

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 16	ug/kg	16	50	1	8260	qh		/ 7/31/2001
Dibromochloromethane	< 23	ug/kg	23	75	1	8260	qh		/ 7/31/2001
Dichlorodifluoromethane	< 15	ug/kg	15	49	1	8260	qh		/ 7/31/2001
Ethylbenzene	< 15	ug/kg	15	46	1	8260	qh		/ 7/31/2001
Hexachlorobutadiene	< 24	ug/kg	24	77	1	8260	qh		/ 7/31/2001
Isopropyl Ether	< 17	ug/kg	17	54	1	8260	qh		/ 7/31/2001
Isopropylbenzene	< 19	ug/kg	19	60	1	8260	qh		/ 7/31/2001
m&p-xylene	< 31	ug/kg	31	98	1	8260	qh		/ 7/31/2001
Methylene chloride	< 17	ug/kg	17	55	1	8260	qh		/ 7/31/2001
MTBE	< 22	ug/kg	22	72	1	8260	qh		/ 7/31/2001
n-Butylbenzene	< 21	ug/kg	21	65	1	8260	qh		/ 7/31/2001
n-Propylbenzene	< 16	ug/kg	16	52	1	8260	qh		/ 7/31/2001
Naphthalene	< 43	ug/kg	43	138	1	8260	qh		/ 7/31/2001
o-xylene	< 14	ug/kg	14	46	1	8260	qh		/ 7/31/2001
p-Isopropyltoluene	< 18	ug/kg	18	57	1	8260	qh		/ 7/31/2001
sec-Butylbenzene	< 19	ug/kg	19	62	1	8260	qh		/ 7/31/2001
tert-Butylbenzene	< 17	ug/kg	17	55	1	8260	qh		/ 7/31/2001
Tetrachloroethene	< 18	ug/kg	18	56	1	8260	qh		/ 7/31/2001
Toluene	< 17	ug/kg	17	53	1	8260	qh		/ 7/31/2001
trans-1,2-Dichloroethene	< 15	ug/kg	15	46	1	8260	qh		/ 7/31/2001
Trichloroethene	928	ug/kg	20	63	1	8260	qh		/ 7/31/2001
Trichlorofluoromethane	< 14	ug/kg	14	44	1	8260	qh		/ 7/31/2001
Vinyl chloride	< 12	ug/kg	12	39	1	8260	qh		/ 7/31/2001

Sample Number: 25240

QC Prep Batch Number: 997875

Collection: 7/31/2001

Time: 14:40

Client ID: NT-8-1E

% Solid = 89.9 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	55	1	8260	qh		/ 7/31/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	78	1	8260	qh		/ 7/31/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	78	1	8260	qh		/ 7/31/2001
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	qh		/ 7/31/2001
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	qh		/ 7/31/2001
1,2,3-Trichlorobenzene	< 28	ug/kg	28	88	1	8260	qh		/ 7/31/2001
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	qh		/ 7/31/2001
1,2,4-Trimethylbenzene	< 17	ug/kg	17	53	1	8260	qh		/ 7/31/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	59	1	8260	qh		/ 7/31/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	qh		/ 7/31/2001
1,2-Dichloroethane	< 19	ug/kg	19	61	1	8260	qh		/ 7/31/2001
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	qh		/ 7/31/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	61	1	8260	qh		/ 7/31/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	46	1	8260	qh		/ 7/31/2001
1,3-Dichloropropane	< 22	ug/kg	22	69	1	8260	qh		/ 7/31/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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W66 N215 Commerce Court
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010550
DATE REPORTED: 02-Aug-01
DATE RECEIVED: 31-Jul-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: W 66 N 215 Co

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,4-Dichlorobenzene	< 20	ug/kg	20	63	1		8260	qh	/ 7/31/2001
2,2-Dichloropropane	< 15	ug/kg	15	49	1		8260	qh	/ 7/31/2001
2-Chlorotoluene	< 17	ug/kg	17	53	1		8260	qh	/ 7/31/2001
4-Chlorotoluene	< 15	ug/kg	15	47	1		8260	qh	/ 7/31/2001
Benzene	< 15	ug/kg	15	48	1		8260	qh	/ 7/31/2001
Bromobenzene	< 17	ug/kg	17	55	1		8260	qh	/ 7/31/2001
Bromodichloromethane	< 21	ug/kg	21	68	1		8260	qh	/ 7/31/2001
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	qh	/ 7/31/2001
Chlorobenzene	< 14	ug/kg	14	46	1		8260	qh	/ 7/31/2001
Chloroethane	< 35	ug/kg	35	112	1		8260	qh	/ 7/31/2001
Chloroform	< 13	ug/kg	13	43	1		8260	qh	/ 7/31/2001
Chloromethane	< 27	ug/kg	27	87	1		8260	qh	/ 7/31/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	qh	/ 7/31/2001
Dibromochloromethane	< 23	ug/kg	23	72	1		8260	qh	/ 7/31/2001
Dichlorodifluoromethane	< 15	ug/kg	15	47	1		8260	qh	/ 7/31/2001
Ethylbenzene	< 14	ug/kg	14	45	1		8260	qh	/ 7/31/2001
Hexachlorobutadiene	< 23	ug/kg	23	74	1		8260	qh	/ 7/31/2001
Isopropyl Ether	< 17	ug/kg	17	53	1		8260	qh	/ 7/31/2001
Isopropylbenzene	< 18	ug/kg	18	58	1		8260	qh	/ 7/31/2001
m&p-xylene	< 30	ug/kg	30	95	1		8260	qh	/ 7/31/2001
Methylene chloride	< 17	ug/kg	17	54	1		8260	qh	/ 7/31/2001
MTBE	< 22	ug/kg	22	69	1		8260	qh	/ 7/31/2001
n-Butylbenzene	< 20	ug/kg	20	63	1		8260	qh	/ 7/31/2001
n-Propylbenzene	< 16	ug/kg	16	50	1		8260	qh	/ 7/31/2001
Naphthalene	< 42	ug/kg	42	133	1		8260	qh	/ 7/31/2001
o-xylene	< 14	ug/kg	14	44	1		8260	qh	/ 7/31/2001
p-Isopropyltoluene	< 17	ug/kg	17	56	1		8260	qh	/ 7/31/2001
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	qh	/ 7/31/2001
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	qh	/ 7/31/2001
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	qh	/ 7/31/2001
Toluene	< 16	ug/kg	16	52	1		8260	qh	/ 7/31/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	qh	/ 7/31/2001
Trichloroethene	142	ug/kg	19	61	1		8260	qh	/ 7/31/2001
Trichlorofluoromethane	< 13	ug/kg	13	43	1		8260	qh	/ 7/31/2001
Vinyl chloride	< 12	ug/kg	12	38	1		8260	qh	/ 7/31/2001



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ORGANIC REPORT

WDNR# 241340550
 BATCH NUMBER: 20010550
 DATE REPORTED: 02-Aug-01
 DATE RECEIVED: 31-Jul-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: W 66 N 215 Co

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date	Ext/Anal
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Approved By: James Chang Date: 8/2/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
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Project Name: **TECUMSEH - GRAFTON**
 Project ID: **# 1007010**

Project Manager: **CURT HOFFART**
 Company: **KEY ENGINEERING**
 Address: **W66 N215 COMMERCE CT**
 City/State/Zip: **CEONA WISCONSIN 5301**
 Phone: **262-325-4750** Fax: **262-395-2**

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
01 TCE/TRA (ECD)	SOIL																	
02 TCE/TRA (GC/MS)	SOIL																	
03 % SOLIDS																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
12:15 PM	8/3/01	NT-4-ZE	25277	20010560
12:55 PM		ST-1-1F	25278	
1:00 PM		ST-2-1F	25279	
1:05 PM		ST-3-1F	25280	
1:15 PM		ST-4-1F	25281	
12:25 PM		ST-5-1F	25282	
12:30 PM		ST-6-1F	25283	
12:35 PM		ST-7-1F	25284	
12:45 PM		ST-8-1F	25285	
			25286	

Relinquished By: <i>[Signature]</i>	Date/Time: 8/3/01 14:00	Received By: <i>[Signature]</i>	Special Instructions:
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010560
 DATE REPORTED: 06-Aug-01
 DATE RECEIVED: 03-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25277		QC Prep Batch Number: 997889			Collection: 8/3/2001		Time: 12:15		
Client ID: NT-4-2E		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Trichloroethene	772	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Sample Number: 25278		QC Prep Batch Number: 997889			Collection: 8/3/2001		Time: 12:55		
Client ID: ST-1-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Trichloroethene	2030	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Sample Number: 25279		QC Prep Batch Number: 997889			Collection: 8/3/2001		Time: 13:00		
Client ID: ST-2-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Trichloroethene	2080	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Sample Number: 25280		QC Prep Batch Number: 997889			Collection: 8/3/2001		Time: 13:05		
Client ID: ST-3-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Trichloroethene	3230	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Sample Number: 25281		QC Prep Batch Number: 997889			Collection: 8/3/2001		Time: 13:15		
Client ID: ST-4-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Trichloroethene	2650	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Sample Number: 25282		QC Prep Batch Number: 997889			Collection: 8/3/2001		Time: 12:25		
Client ID: ST-5-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Trichloroethene	5470	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Sample Number: 25283		QC Prep Batch Number: 997889			Collection: 8/3/2001		Time: 12:30		
Client ID: ST-6-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Trichloroethene	2810	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010560
 DATE REPORTED: 06-Aug-01
 DATE RECEIVED: 03-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25284		QC Prep Batch Number: 997889		Collection: 8/3/2001		Time: 12:35			
Client ID: ST-7-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Trichloroethene	2970	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Sample Number: 25285		QC Prep Batch Number: 997889		Collection: 8/3/2001		Time: 12:45			
Client ID: ST-8-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001
Trichloroethene	1330	ug/kg	0.03	0.08	1	8082	tm		/ 8/3/2001

Approved By: James Chang Date: 8/6/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L. two significant figures for concentrations between 1-99 ug/L. and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010560
 DATE REPORTED: 18-Oct-01
 DATE RECEIVED: 03-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25277									
Client ID: NT-4-2E									
		QC Prep Batch Number:	998541				Collection: 8/3/2001		Time: 12:15
		% Solid = 85.3	%				Sample Description:		
1,1,1-Trichloroethane	< 18	ug/kg	18	58	1		8260	qh	8/3/2001 / 8/3/2001
1,1,2,2-Tetrachloroethane	< 26	ug/kg	26	82	1		8260	qh	8/3/2001 / 8/3/2001
1,1,2-Trichloroethane	< 26	ug/kg	26	82	1		8260	qh	8/3/2001 / 8/3/2001
1,1-Dichloroethane	< 19	ug/kg	19	60	1		8260	qh	8/3/2001 / 8/3/2001
1,1-Dichloroethene	< 20	ug/kg	20	64	1		8260	qh	8/3/2001 / 8/3/2001
1,2,3-Trichlorobenzene	< 29	ug/kg	29	93	1		8260	qh	8/3/2001 / 8/3/2001
1,2,4-Trichlorobenzene	< 27	ug/kg	27	87	1		8260	qh	8/3/2001 / 8/3/2001
1,2,4-Trimethylbenzene	< 18	ug/kg	18	56	1		8260	qh	8/3/2001 / 8/3/2001
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	62	1		8260	qh	8/3/2001 / 8/3/2001
1,2-Dichlorobenzene	< 20	ug/kg	20	64	1		8260	qh	8/3/2001 / 8/3/2001
1,2-Dichloroethane	< 20	ug/kg	20	65	1		8260	qh	8/3/2001 / 8/3/2001
1,2-Dichloropropane	< 19	ug/kg	19	60	1		8260	qh	8/3/2001 / 8/3/2001
1,3,5-Trimethylbenzene	< 20	ug/kg	20	64	1		8260	qh	8/3/2001 / 8/3/2001
1,3-Dichlorobenzene	< 15	ug/kg	15	49	1		8260	qh	8/3/2001 / 8/3/2001
1,3-Dichloropropane	< 23	ug/kg	23	73	1		8260	qh	8/3/2001 / 8/3/2001
1,4-Dichlorobenzene	< 21	ug/kg	21	66	1		8260	qh	8/3/2001 / 8/3/2001
2,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	qh	8/3/2001 / 8/3/2001
2-Chlorotoluene	< 17	ug/kg	17	56	1		8260	qh	8/3/2001 / 8/3/2001
4-Chlorotoluene	< 15	ug/kg	15	49	1		8260	qh	8/3/2001 / 8/3/2001
Benzene	< 16	ug/kg	16	50	1		8260	qh	8/3/2001 / 8/3/2001
Bromobenzene	< 18	ug/kg	18	58	1		8260	qh	8/3/2001 / 8/3/2001
Bromodichloromethane	< 22	ug/kg	22	71	1		8260	qh	8/3/2001 / 8/3/2001
Carbon tetrachloride	< 16	ug/kg	16	50	1		8260	qh	8/3/2001 / 8/3/2001
Chlorobenzene	< 15	ug/kg	15	49	1		8260	qh	8/3/2001 / 8/3/2001
Chloroethane	< 37	ug/kg	37	119	1		8260	qh	8/3/2001 / 8/3/2001
Chloroform	< 14	ug/kg	14	45	1		8260	qh	8/3/2001 / 8/3/2001
Chloromethane	< 29	ug/kg	29	92	1		8260	qh	8/3/2001 / 8/3/2001
cis-1,2-Dichloroethene	< 16	ug/kg	16	51	1		8260	qh	8/3/2001 / 8/3/2001
Dibromochloromethane	< 24	ug/kg	24	76	1		8260	qh	8/3/2001 / 8/3/2001
Dichlorodifluoromethane	< 16	ug/kg	16	50	1		8260	qh	8/3/2001 / 8/3/2001
Ethylbenzene	< 15	ug/kg	15	47	1		8260	qh	8/3/2001 / 8/3/2001
Hexachlorobutadiene	< 25	ug/kg	25	78	1		8260	qh	8/3/2001 / 8/3/2001
Isopropyl Ether	< 17	ug/kg	17	56	1		8260	qh	8/3/2001 / 8/3/2001
Isopropylbenzene	< 19	ug/kg	19	61	1		8260	qh	8/3/2001 / 8/3/2001
m&p-xylene	< 31	ug/kg	31	100	1		8260	qh	8/3/2001 / 8/3/2001
Methylene chloride	< 18	ug/kg	18	57	1		8260	qh	8/3/2001 / 8/3/2001
MTBE	< 23	ug/kg	23	73	1		8260	qh	8/3/2001 / 8/3/2001
n-Butylbenzene	< 21	ug/kg	21	67	1		8260	qh	8/3/2001 / 8/3/2001
n-Propylbenzene	< 17	ug/kg	17	53	1		8260	qh	8/3/2001 / 8/3/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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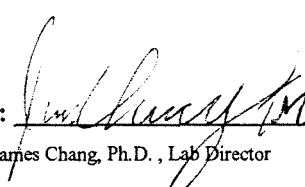
Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010560
 DATE REPORTED: 18-Oct-01
 DATE RECEIVED: 03-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 44	ug/kg	44	141	1		8260	qh	8/3/2001 / 8/3/2001
o-xylene	< 15	ug/kg	15	47	1		8260	qh	8/3/2001 / 8/3/2001
p-Isopropyltoluene	< 18	ug/kg	18	59	1		8260	qh	8/3/2001 / 8/3/2001
sec-Butylbenzene	< 20	ug/kg	20	63	1		8260	qh	8/3/2001 / 8/3/2001
tert-Butylbenzene	< 18	ug/kg	18	56	1		8260	qh	8/3/2001 / 8/3/2001
Tetrachloroethene	< 18	ug/kg	18	57	1		8260	qh	8/3/2001 / 8/3/2001
Toluene	< 17	ug/kg	17	54	1		8260	qh	8/3/2001 / 8/3/2001
trans-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	8/3/2001 / 8/3/2001
Trichloroethene	905	ug/kg	20	64	1		8260	qh	8/3/2001 / 8/3/2001
Trichlorofluoromethane	< 14	ug/kg	14	45	1		8260	qh	8/3/2001 / 8/3/2001
Vinyl chloride	< 13	ug/kg	13	40	1		8260	qh	8/3/2001 / 8/3/2001

Approved By: 

Date: 10/18/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

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Project Name: **TECUMSEH - GRAFTON**

Project ID: **# 1009010**

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **466 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN 5301**

Phone: **262-325-4750** Fax: **262-325-4750**

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix															
01 TCE/TRA (ECD)	SOIL	X	X	X	X	X	X	X	X	X						
02 TCE/TRA (GC/MS)	SOIL															
03 % SOLIDS																
04																
05																
06																
07																
08																
09																
10																
11																
12																
13																
14																
15																

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
12:05PM	8/8/01	S-3-3C	25339	20010571
12:10PM	8/8/01	S-3-31	25340	
12:15PM	8/8/01	S-3-32	25341	
1:45PM	8/8/01	ST-1-2F	25341	
1:40PM	8/8/01	ST-2-2F	25342	
1:15PM	8/8/01	ST-7-2F	25343	
1:30PM	8/8/01	ST-8-2F	25344	
2:30PM	8/8/01	S-3-33	25345	
2:40PM	8/8/01	S-3-34	25346	

Relinquished By: *[Signature]* Date/Time: **3:50 8.8.01** Received By: *[Signature]* Special Instructions:



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010571
 DATE REPORTED: 09-Aug-01
 DATE RECEIVED: 08-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25339		QC Prep Batch Number: 997925			Collection: 8/8/2001		Time: 12:05		
Client ID: S-3-30		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Trichloroethene	10500	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Sample Number: 25340		QC Prep Batch Number: 997925			Collection: 8/8/2001		Time: 12:10		
Client ID: S-3-31		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Trichloroethene	12900	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Sample Number: 25341		QC Prep Batch Number: 997925			Collection: 8/8/2001		Time: 13:45		
Client ID: ST-1-2F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Trichloroethene	1020	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Sample Number: 25342		QC Prep Batch Number: 997925			Collection: 8/8/2001		Time: 13:40		
Client ID: ST-2-2F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Trichloroethene	936	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Sample Number: 25343		QC Prep Batch Number: 997925			Collection: 8/8/2001		Time: 13:25		
Client ID: ST-7-2F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Trichloroethene	651	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Sample Number: 25344		QC Prep Batch Number: 997925			Collection: 8/8/2001		Time: 13:30		
Client ID: ST-8-2F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Trichloroethene	813	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Sample Number: 25345		QC Prep Batch Number: 997925			Collection: 8/8/2001		Time: 14:30		
Client ID: S-3-33		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001
Trichloroethene	57	ug/kg	0.03	0.08	1	8082	qh		/ 8/8/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010571
 DATE REPORTED: 09-Aug-01
 DATE RECEIVED: 08-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25346		QC Prep Batch Number: 997925					Collection: 8/8/2001		Time: 14:40
Client ID: S-3-34							Sample Description:		
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/8/2001
Trichloroethene	55	ug/kg	0.03	0.08	1		8082	qh	/ 8/8/2001

Approved By: James Chang Date: 8/9/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value. over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample. "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010571
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 08-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25339		QC Prep Batch Number: 998010				Collection: 2001-8-8			Time: 12:05
Client ID: S-3-30		% Solid = 86	%			Sample Description:			
1,1,1-Trichloroethane	< 91	ug/kg	91	289	5	8260	qh		2001-8-10 / 2001-8-10
1,1,2,2-Tetrachloroethane	< 128	ug/kg	128	406	5	8260	qh		2001-8-10 / 2001-8-10
1,1,2-Trichloroethane	< 128	ug/kg	128	406	5	8260	qh		2001-8-10 / 2001-8-10
1,1-Dichloroethane	< 93	ug/kg	93	296	5	8260	qh		2001-8-10 / 2001-8-10
1,1-Dichloroethene	< 99	ug/kg	99	316	5	8260	qh		2001-8-10 / 2001-8-10
1,2,3-Trichlorobenzene	< 144	ug/kg	144	460	5	8260	qh		2001-8-10 / 2001-8-10
1,2,4-Trichlorobenzene	< 136	ug/kg	136	433	5	8260	qh		2001-8-10 / 2001-8-10
1,2,4-Trimethylbenzene	< 88	ug/kg	88	278	5	8260	qh		2001-8-10 / 2001-8-10
1,2-Dibromo-3-chloropropan	< 96	ug/kg	96	307	5	8260	qh		2001-8-10 / 2001-8-10
1,2-Dichlorobenzene	< 99	ug/kg	99	315	5	8260	qh		2001-8-10 / 2001-8-10
1,2-Dichloroethane	< 101	ug/kg	101	321	5	8260	qh		2001-8-10 / 2001-8-10
1,2-Dichloropropane	< 94	ug/kg	94	298	5	8260	qh		2001-8-10 / 2001-8-10
1,3,5-Trimethylbenzene	< 100	ug/kg	100	318	5	8260	qh		2001-8-10 / 2001-8-10
1,3-Dichlorobenzene	< 76	ug/kg	76	241	5	8260	qh		2001-8-10 / 2001-8-10
1,3-Dichloropropane	< 113	ug/kg	113	361	5	8260	qh		2001-8-10 / 2001-8-10
1,4-Dichlorobenzene	< 104	ug/kg	104	330	5	8260	qh		2001-8-10 / 2001-8-10
2,2-Dichloropropane	< 80	ug/kg	80	254	5	8260	qh		2001-8-10 / 2001-8-10
2-Chlorotoluene	< 87	ug/kg	87	276	5	8260	qh		2001-8-10 / 2001-8-10
4-Chlorotoluene	< 77	ug/kg	77	244	5	8260	qh		2001-8-10 / 2001-8-10
Benzene	< 78	ug/kg	78	249	5	8260	qh		2001-8-10 / 2001-8-10
Bromobenzene	< 90	ug/kg	90	287	5	8260	qh		2001-8-10 / 2001-8-10
Bromodichloromethane	< 111	ug/kg	111	354	5	8260	qh		2001-8-10 / 2001-8-10
Carbon tetrachloride	< 78	ug/kg	78	248	5	8260	qh		2001-8-10 / 2001-8-10
Chlorobenzene	< 76	ug/kg	76	241	5	8260	qh		2001-8-10 / 2001-8-10
Chloroethane	< 185	ug/kg	185	588	5	8260	qh		2001-8-10 / 2001-8-10
Chloroform	< 70	ug/kg	70	224	5	8260	qh		2001-8-10 / 2001-8-10
Chloromethane	< 143	ug/kg	143	456	5	8260	qh		2001-8-10 / 2001-8-10
cis-1,2-Dichloroethene	< 79	ug/kg	79	251	5	8260	qh		2001-8-10 / 2001-8-10
Dibromochloromethane	< 118	ug/kg	118	376	5	8260	qh		2001-8-10 / 2001-8-10
Dichlorodifluoromethane	< 77	ug/kg	77	246	5	8260	qh		2001-8-10 / 2001-8-10
Ethylbenzene	< 74	ug/kg	74	234	5	8260	qh		2001-8-10 / 2001-8-10
Hexachlorobutadiene	< 122	ug/kg	122	387	5	8260	qh		2001-8-10 / 2001-8-10
Isopropyl Ether	< 87	ug/kg	87	275	5	8260	qh		2001-8-10 / 2001-8-10
Isopropylbenzene	< 95	ug/kg	95	303	5	8260	qh		2001-8-10 / 2001-8-10
m&p-xylene	< 155	ug/kg	155	494	5	8260	qh		2001-8-10 / 2001-8-10
Methylene chloride	< 88	ug/kg	88	280	5	8260	qh		2001-8-10 / 2001-8-10
MTBE	< 114	ug/kg	114	361	5	8260	qh		2001-8-10 / 2001-8-10
n-Butylbenzene	< 104	ug/kg	104	331	5	8260	qh		2001-8-10 / 2001-8-10
n-Propylbenzene	< 82	ug/kg	82	261	5	8260	qh		2001-8-10 / 2001-8-10

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 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010571
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 08-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 219	ug/kg	219	698	5		8260	qh	2001-8-10 / 2001-8-10
o-xylene	< 73	ug/kg	73	231	5		8260	qh	2001-8-10 / 2001-8-10
p-Isopropyltoluene	< 91	ug/kg	91	290	5		8260	qh	2001-8-10 / 2001-8-10
sec-Butylbenzene	< 98	ug/kg	98	312	5		8260	qh	2001-8-10 / 2001-8-10
tert-Butylbenzene	< 88	ug/kg	88	280	5		8260	qh	2001-8-10 / 2001-8-10
Tetrachloroethene	120	ug/kg	89	283	5	J	8260	qh	2001-8-10 / 2001-8-10
Toluene	< 85	ug/kg	85	270	5		8260	qh	2001-8-10 / 2001-8-10
trans-1,2-Dichloroethene	< 74	ug/kg	74	234	5		8260	qh	2001-8-10 / 2001-8-10
Trichloroethene	12200	ug/kg	100	319	5		8260	qh	2001-8-10 / 2001-8-10
Trichlorofluoromethane	< 70	ug/kg	70	223	5		8260	qh	2001-8-10 / 2001-8-10
Vinyl chloride	< 62	ug/kg	62	198	5		8260	qh	2001-8-10 / 2001-8-10

Sample Number: 25340

QC Prep Batch Number: 998010

Collection: 2001-8-8

Time: 12:10

Client ID: S-3-31

% Solid = 90.6 %

Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 86	ug/kg	86	275	5		8260	qh	2001-8-10 / 2001-8-10
1,1,2,2-Tetrachloroethane	< 121	ug/kg	121	386	5		8260	qh	2001-8-10 / 2001-8-10
1,1,2-Trichloroethane	< 121	ug/kg	121	385	5		8260	qh	2001-8-10 / 2001-8-10
1,1-Dichloroethane	< 88	ug/kg	88	281	5		8260	qh	2001-8-10 / 2001-8-10
1,1-Dichloroethene	< 94	ug/kg	94	300	5		8260	qh	2001-8-10 / 2001-8-10
1,2,3-Trichlorobenzene	< 137	ug/kg	137	436	5		8260	qh	2001-8-10 / 2001-8-10
1,2,4-Trichlorobenzene	< 129	ug/kg	129	411	5		8260	qh	2001-8-10 / 2001-8-10
1,2,4-Trimethylbenzene	< 83	ug/kg	83	264	5		8260	qh	2001-8-10 / 2001-8-10
1,2-Dibromo-3-chloropropan	< 91	ug/kg	91	291	5		8260	qh	2001-8-10 / 2001-8-10
1,2-Dichlorobenzene	< 94	ug/kg	94	299	5		8260	qh	2001-8-10 / 2001-8-10
1,2-Dichloroethane	< 96	ug/kg	96	305	5		8260	qh	2001-8-10 / 2001-8-10
1,2-Dichloropropane	< 89	ug/kg	89	283	5		8260	qh	2001-8-10 / 2001-8-10
1,3,5-Trimethylbenzene	< 95	ug/kg	95	302	5		8260	qh	2001-8-10 / 2001-8-10
1,3-Dichlorobenzene	< 72	ug/kg	72	229	5		8260	qh	2001-8-10 / 2001-8-10
1,3-Dichloropropane	< 108	ug/kg	108	343	5		8260	qh	2001-8-10 / 2001-8-10
1,4-Dichlorobenzene	< 98	ug/kg	98	313	5		8260	qh	2001-8-10 / 2001-8-10
2,2-Dichloropropane	< 76	ug/kg	76	241	5		8260	qh	2001-8-10 / 2001-8-10
2-Chlorotoluene	< 82	ug/kg	82	262	5		8260	qh	2001-8-10 / 2001-8-10
4-Chlorotoluene	< 73	ug/kg	73	232	5		8260	qh	2001-8-10 / 2001-8-10
Benzene	< 74	ug/kg	74	236	5		8260	qh	2001-8-10 / 2001-8-10
Bromobenzene	< 86	ug/kg	86	273	5		8260	qh	2001-8-10 / 2001-8-10
Bromodichloromethane	< 106	ug/kg	106	336	5		8260	qh	2001-8-10 / 2001-8-10
Carbon tetrachloride	< 74	ug/kg	74	236	5		8260	qh	2001-8-10 / 2001-8-10
Chlorobenzene	< 72	ug/kg	72	229	5		8260	qh	2001-8-10 / 2001-8-10
Chloroethane	< 175	ug/kg	175	558	5		8260	qh	2001-8-10 / 2001-8-10
Chloroform	< 67	ug/kg	67	212	5		8260	qh	2001-8-10 / 2001-8-10
Chloromethane	< 136	ug/kg	136	433	5		8260	qh	2001-8-10 / 2001-8-10

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010571
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 08-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 75	ug/kg	75	238	5		8260	qh	2001-8-10 / 2001-8-10
Dibromochloromethane	< 112	ug/kg	112	357	5		8260	qh	2001-8-10 / 2001-8-10
Dichlorodifluoromethane	< 73	ug/kg	73	234	5		8260	qh	2001-8-10 / 2001-8-10
Ethylbenzene	< 70	ug/kg	70	222	5		8260	qh	2001-8-10 / 2001-8-10
Hexachlorobutadiene	< 115	ug/kg	115	367	5		8260	qh	2001-8-10 / 2001-8-10
Isopropyl Ether	< 82	ug/kg	82	261	5		8260	qh	2001-8-10 / 2001-8-10
Isopropylbenzene	< 90	ug/kg	90	288	5		8260	qh	2001-8-10 / 2001-8-10
m&p-xylene	< 147	ug/kg	147	469	5		8260	qh	2001-8-10 / 2001-8-10
Methylene chloride	< 84	ug/kg	84	266	5		8260	qh	2001-8-10 / 2001-8-10
MTBE	< 108	ug/kg	108	343	5		8260	qh	2001-8-10 / 2001-8-10
n-Butylbenzene	< 99	ug/kg	99	314	5		8260	qh	2001-8-10 / 2001-8-10
n-Propylbenzene	< 78	ug/kg	78	247	5		8260	qh	2001-8-10 / 2001-8-10
Naphthalene	< 208	ug/kg	208	662	5		8260	qh	2001-8-10 / 2001-8-10
o-xylene	< 69	ug/kg	69	220	5		8260	qh	2001-8-10 / 2001-8-10
p-Isopropyltoluene	< 87	ug/kg	87	275	5		8260	qh	2001-8-10 / 2001-8-10
sec-Butylbenzene	< 93	ug/kg	93	296	5		8260	qh	2001-8-10 / 2001-8-10
tert-Butylbenzene	< 83	ug/kg	83	265	5		8260	qh	2001-8-10 / 2001-8-10
Tetrachloroethene	164	ug/kg	84	268	5	J	8260	qh	2001-8-10 / 2001-8-10
Toluene	< 80	ug/kg	80	256	5		8260	qh	2001-8-10 / 2001-8-10
trans-1,2-Dichloroethene	< 70	ug/kg	70	222	5		8260	qh	2001-8-10 / 2001-8-10
Trichloroethene	14200	ug/kg	95	303	5		8260	qh	2001-8-10 / 2001-8-10
Trichlorofluoromethane	< 66	ug/kg	66	211	5		8260	qh	2001-8-10 / 2001-8-10
Vinyl chloride	< 59	ug/kg	59	188	5		8260	qh	2001-8-10 / 2001-8-10

Sample Number: 25344

QC Prep Batch Number: 998010

Collection: 2001-8-8

Time: 13:30

Client ID: ST-8-2F

% Solid = 89.7 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	56	1		8260	qh	2001-8-10 / 2001-8-10
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	78	1		8260	qh	2001-8-10 / 2001-8-10
1,1,2-Trichloroethane	< 24	ug/kg	24	78	1		8260	qh	2001-8-10 / 2001-8-10
1,1-Dichloroethane	< 18	ug/kg	18	57	1		8260	qh	2001-8-10 / 2001-8-10
1,1-Dichloroethene	< 19	ug/kg	19	61	1		8260	qh	2001-8-10 / 2001-8-10
1,2,3-Trichlorobenzene	< 28	ug/kg	28	88	1		8260	qh	2001-8-10 / 2001-8-10
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1		8260	qh	2001-8-10 / 2001-8-10
1,2,4-Trimethylbenzene	134	ug/kg	17	53	1		8260	qh	2001-8-10 / 2001-8-10
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	59	1		8260	qh	2001-8-10 / 2001-8-10
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1		8260	qh	2001-8-10 / 2001-8-10
1,2-Dichloroethane	< 19	ug/kg	19	62	1		8260	qh	2001-8-10 / 2001-8-10
1,2-Dichloropropane	< 18	ug/kg	18	57	1		8260	qh	2001-8-10 / 2001-8-10
1,3,5-Trimethylbenzene	44	ug/kg	19	61	1	J	8260	qh	2001-8-10 / 2001-8-10
1,3-Dichlorobenzene	< 15	ug/kg	15	46	1		8260	qh	2001-8-10 / 2001-8-10
1,3-Dichloropropane	< 22	ug/kg	22	69	1		8260	qh	2001-8-10 / 2001-8-10

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010571
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 08-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,4-Dichlorobenzene	< 20	ug/kg	20	63	1		8260	qh	2001-8-10 / 2001-8-10
2,2-Dichloropropane	< 15	ug/kg	15	49	1		8260	qh	2001-8-10 / 2001-8-10
2-Chlorotoluene	< 17	ug/kg	17	53	1		8260	qh	2001-8-10 / 2001-8-10
4-Chlorotoluene	< 15	ug/kg	15	47	1		8260	qh	2001-8-10 / 2001-8-10
Benzene	< 15	ug/kg	15	48	1		8260	qh	2001-8-10 / 2001-8-10
Bromobenzene	< 17	ug/kg	17	55	1		8260	qh	2001-8-10 / 2001-8-10
Bromodichloromethane	< 21	ug/kg	21	68	1		8260	qh	2001-8-10 / 2001-8-10
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	qh	2001-8-10 / 2001-8-10
Chlorobenzene	< 15	ug/kg	15	46	1		8260	qh	2001-8-10 / 2001-8-10
Chloroethane	< 35	ug/kg	35	113	1		8260	qh	2001-8-10 / 2001-8-10
Chloroform	< 13	ug/kg	13	43	1		8260	qh	2001-8-10 / 2001-8-10
Chloromethane	< 28	ug/kg	28	88	1		8260	qh	2001-8-10 / 2001-8-10
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	qh	2001-8-10 / 2001-8-10
Dibromochloromethane	< 23	ug/kg	23	72	1		8260	qh	2001-8-10 / 2001-8-10
Dichlorodifluoromethane	< 15	ug/kg	15	47	1		8260	qh	2001-8-10 / 2001-8-10
Ethylbenzene	97	ug/kg	14	45	1		8260	qh	2001-8-10 / 2001-8-10
Hexachlorobutadiene	< 23	ug/kg	23	74	1		8260	qh	2001-8-10 / 2001-8-10
Isopropyl Ether	< 17	ug/kg	17	53	1		8260	qh	2001-8-10 / 2001-8-10
Isopropylbenzene	< 18	ug/kg	18	58	1		8260	qh	2001-8-10 / 2001-8-10
m&p-xylene	103	ug/kg	30	95	1		8260	qh	2001-8-10 / 2001-8-10
Methylene chloride	< 17	ug/kg	17	54	1		8260	qh	2001-8-10 / 2001-8-10
MTBE	< 22	ug/kg	22	69	1		8260	qh	2001-8-10 / 2001-8-10
n-Butylbenzene	< 20	ug/kg	20	63	1		8260	qh	2001-8-10 / 2001-8-10
n-Propylbenzene	43	ug/kg	16	50	1	J	8260	qh	2001-8-10 / 2001-8-10
Naphthalene	54	ug/kg	42	134	1	J	8260	qh	2001-8-10 / 2001-8-10
o-xylene	33	ug/kg	14	44	1	J	8260	qh	2001-8-10 / 2001-8-10
p-Isopropyltoluene	< 17	ug/kg	17	56	1		8260	qh	2001-8-10 / 2001-8-10
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	qh	2001-8-10 / 2001-8-10
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	qh	2001-8-10 / 2001-8-10
Tetrachloroethene	28	ug/kg	17	54	1	J	8260	qh	2001-8-10 / 2001-8-10
Toluene	< 16	ug/kg	16	52	1		8260	qh	2001-8-10 / 2001-8-10
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	qh	2001-8-10 / 2001-8-10
Trichloroethene	907	ug/kg	19	61	1		8260	qh	2001-8-10 / 2001-8-10
Trichlorofluoromethane	< 13	ug/kg	13	43	1		8260	qh	2001-8-10 / 2001-8-10
Vinyl chloride	< 12	ug/kg	12	38	1		8260	qh	2001-8-10 / 2001-8-10

Sample Number: 25345

QC Prep Batch Number: 998010

Collection: 2001-8-8

Time: 14:30

Client ID: S-3-33

% Solid = 89.8 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	55	1	8260	qh	2001-8-10 / 2001-8-10
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	78	1	8260	qh	2001-8-10 / 2001-8-10
1,1,2-Trichloroethane	< 24	ug/kg	24	78	1	8260	qh	2001-8-10 / 2001-8-10



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Key Engineering Group, LTD.
W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010571
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 08-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloroethane	< 18	ug/kg	18	57	1		8260	qh	2001-8-10 / 2001-8-10
1,1-Dichloroethene	< 19	ug/kg	19	61	1		8260	qh	2001-8-10 / 2001-8-10
1,2,3-Trichlorobenzene	< 28	ug/kg	28	88	1		8260	qh	2001-8-10 / 2001-8-10
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1		8260	qh	2001-8-10 / 2001-8-10
1,2,4-Trimethylbenzene	87	ug/kg	17	53	1		8260	qh	2001-8-10 / 2001-8-10
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	59	1		8260	qh	2001-8-10 / 2001-8-10
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1		8260	qh	2001-8-10 / 2001-8-10
1,2-Dichloroethane	< 19	ug/kg	19	61	1		8260	qh	2001-8-10 / 2001-8-10
1,2-Dichloropropane	< 18	ug/kg	18	57	1		8260	qh	2001-8-10 / 2001-8-10
1,3,5-Trimethylbenzene	29	ug/kg	19	61	1	J	8260	qh	2001-8-10 / 2001-8-10
1,3-Dichlorobenzene	< 14	ug/kg	14	46	1		8260	qh	2001-8-10 / 2001-8-10
1,3-Dichloropropane	< 22	ug/kg	22	69	1		8260	qh	2001-8-10 / 2001-8-10
1,4-Dichlorobenzene	< 20	ug/kg	20	63	1		8260	qh	2001-8-10 / 2001-8-10
2,2-Dichloropropane	< 15	ug/kg	15	49	1		8260	qh	2001-8-10 / 2001-8-10
2-Chlorotoluene	< 17	ug/kg	17	53	1		8260	qh	2001-8-10 / 2001-8-10
4-Chlorotoluene	< 15	ug/kg	15	47	1		8260	qh	2001-8-10 / 2001-8-10
Benzene	< 15	ug/kg	15	48	1		8260	qh	2001-8-10 / 2001-8-10
Bromobenzene	< 17	ug/kg	17	55	1		8260	qh	2001-8-10 / 2001-8-10
Bromodichloromethane	< 21	ug/kg	21	68	1		8260	qh	2001-8-10 / 2001-8-10
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	qh	2001-8-10 / 2001-8-10
Chlorobenzene	< 14	ug/kg	14	46	1		8260	qh	2001-8-10 / 2001-8-10
Chloroethane	< 35	ug/kg	35	113	1		8260	qh	2001-8-10 / 2001-8-10
Chloroform	< 13	ug/kg	13	43	1		8260	qh	2001-8-10 / 2001-8-10
Chloromethane	< 27	ug/kg	27	87	1		8260	qh	2001-8-10 / 2001-8-10
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	qh	2001-8-10 / 2001-8-10
Dibromochloromethane	< 23	ug/kg	23	72	1		8260	qh	2001-8-10 / 2001-8-10
Dichlorodifluoromethane	< 15	ug/kg	15	47	1		8260	qh	2001-8-10 / 2001-8-10
Ethylbenzene	52	ug/kg	14	45	1		8260	qh	2001-8-10 / 2001-8-10
Hexachlorobutadiene	< 23	ug/kg	23	74	1		8260	qh	2001-8-10 / 2001-8-10
Isopropyl Ether	< 17	ug/kg	17	53	1		8260	qh	2001-8-10 / 2001-8-10
Isopropylbenzene	< 18	ug/kg	18	58	1		8260	qh	2001-8-10 / 2001-8-10
m&p-xylene	154	ug/kg	30	95	1		8260	qh	2001-8-10 / 2001-8-10
Methylene chloride	< 17	ug/kg	17	54	1		8260	qh	2001-8-10 / 2001-8-10
MTBE	< 22	ug/kg	22	69	1		8260	qh	2001-8-10 / 2001-8-10
n-Butylbenzene	< 20	ug/kg	20	63	1		8260	qh	2001-8-10 / 2001-8-10
n-Propylbenzene	< 16	ug/kg	16	50	1		8260	qh	2001-8-10 / 2001-8-10
Naphthalene	< 42	ug/kg	42	134	1		8260	qh	2001-8-10 / 2001-8-10
o-xylene	59	ug/kg	14	44	1		8260	qh	2001-8-10 / 2001-8-10
p-Isopropyltoluene	< 17	ug/kg	17	56	1		8260	qh	2001-8-10 / 2001-8-10
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	qh	2001-8-10 / 2001-8-10
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	qh	2001-8-10 / 2001-8-10



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010571
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 08-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Tetrachloroethene	< 17	ug/kg	17	54	1	8260	qh		2001-8-10 / 2001-8-10
Toluene	80	ug/kg	16	52	1	8260	qh		2001-8-10 / 2001-8-10
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	qh		2001-8-10 / 2001-8-10
Trichloroethene	63	ug/kg	19	61	1	8260	qh		2001-8-10 / 2001-8-10
Trichlorofluoromethane	< 13	ug/kg	13	43	1	8260	qh		2001-8-10 / 2001-8-10
Vinyl chloride	< 12	ug/kg	12	38	1	8260	qh		2001-8-10 / 2001-8-10

Sample Number: 25346

QC Prep Batch Number: 998010

Collection: 2001-8-8

Time: 14:40

Client ID: S-3-34

% Solid = 90.6 %

Sample Description:

1,1,1-Trichloroethane	< 17	ug/kg	17	55	1	8260	qh		2001-8-10 / 2001-8-10
1,1,1,2-Tetrachloroethane	< 24	ug/kg	24	77	1	8260	qh		2001-8-10 / 2001-8-10
1,1,2-Trichloroethane	< 24	ug/kg	24	77	1	8260	qh		2001-8-10 / 2001-8-10
1,1-Dichloroethane	< 18	ug/kg	18	56	1	8260	qh		2001-8-10 / 2001-8-10
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	qh		2001-8-10 / 2001-8-10
1,2,3-Trichlorobenzene	< 27	ug/kg	27	87	1	8260	qh		2001-8-10 / 2001-8-10
1,2,4-Trichlorobenzene	< 26	ug/kg	26	82	1	8260	qh		2001-8-10 / 2001-8-10
1,2,4-Trimethylbenzene	99	ug/kg	17	53	1	8260	qh		2001-8-10 / 2001-8-10
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	58	1	8260	qh		2001-8-10 / 2001-8-10
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	qh		2001-8-10 / 2001-8-10
1,2-Dichloroethane	< 19	ug/kg	19	61	1	8260	qh		2001-8-10 / 2001-8-10
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	qh		2001-8-10 / 2001-8-10
1,3,5-Trimethylbenzene	45	ug/kg	19	60	1	8260	qh		2001-8-10 / 2001-8-10
1,3-Dichlorobenzene	< 14	ug/kg	14	46	1	8260	qh		2001-8-10 / 2001-8-10
1,3-Dichloropropane	< 22	ug/kg	22	69	1	8260	qh		2001-8-10 / 2001-8-10
1,4-Dichlorobenzene	< 20	ug/kg	20	63	1	8260	qh		2001-8-10 / 2001-8-10
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	qh		2001-8-10 / 2001-8-10
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260	qh		2001-8-10 / 2001-8-10
4-Chlorotoluene	< 15	ug/kg	15	46	1	8260	qh		2001-8-10 / 2001-8-10
Benzene	< 15	ug/kg	15	47	1	8260	qh		2001-8-10 / 2001-8-10
Bromobenzene	< 17	ug/kg	17	55	1	8260	qh		2001-8-10 / 2001-8-10
Bromodichloromethane	< 21	ug/kg	21	67	1	8260	qh		2001-8-10 / 2001-8-10
Carbon tetrachloride	< 15	ug/kg	15	47	1	8260	qh		2001-8-10 / 2001-8-10
Chlorobenzene	< 14	ug/kg	14	46	1	8260	qh		2001-8-10 / 2001-8-10
Chloroethane	< 35	ug/kg	35	112	1	8260	qh		2001-8-10 / 2001-8-10
Chloroform	< 13	ug/kg	13	42	1	8260	qh		2001-8-10 / 2001-8-10
Chloromethane	< 27	ug/kg	27	87	1	8260	qh		2001-8-10 / 2001-8-10
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	qh		2001-8-10 / 2001-8-10
Dibromochloromethane	< 22	ug/kg	22	71	1	8260	qh		2001-8-10 / 2001-8-10
Dichlorodifluoromethane	< 15	ug/kg	15	47	1	8260	qh		2001-8-10 / 2001-8-10
Ethylbenzene	100	ug/kg	14	44	1	8260	qh		2001-8-10 / 2001-8-10
Hexachlorobutadiene	< 23	ug/kg	23	73	1	8260	qh		2001-8-10 / 2001-8-10

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010571
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 08-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropyl Ether	< 16	ug/kg	16	52	1		8260	qh	2001-8-10 / 2001-8-10
Isopropylbenzene	< 18	ug/kg	18	58	1		8260	qh	2001-8-10 / 2001-8-10
m&p-xylene	70	ug/kg	29	94	1	J	8260	qh	2001-8-10 / 2001-8-10
Methylene chloride	< 17	ug/kg	17	53	1		8260	qh	2001-8-10 / 2001-8-10
MTBE	< 22	ug/kg	22	69	1		8260	qh	2001-8-10 / 2001-8-10
n-Butylbenzene	48	ug/kg	20	63	1	J	8260	qh	2001-8-10 / 2001-8-10
n-Propylbenzene	52	ug/kg	16	49	1		8260	qh	2001-8-10 / 2001-8-10
Naphthalene	< 42	ug/kg	42	132	1		8260	qh	2001-8-10 / 2001-8-10
o-xylene	< 14	ug/kg	14	44	1		8260	qh	2001-8-10 / 2001-8-10
p-Isopropyltoluene	< 17	ug/kg	17	55	1		8260	qh	2001-8-10 / 2001-8-10
sec-Butylbenzene	< 19	ug/kg	19	59	1		8260	qh	2001-8-10 / 2001-8-10
tert-Butylbenzene	< 17	ug/kg	17	53	1		8260	qh	2001-8-10 / 2001-8-10
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	qh	2001-8-10 / 2001-8-10
Toluene	< 16	ug/kg	16	51	1		8260	qh	2001-8-10 / 2001-8-10
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	qh	2001-8-10 / 2001-8-10
Trichloroethene	61	ug/kg	19	61	1		8260	qh	2001-8-10 / 2001-8-10
Trichlorofluoromethane	< 13	ug/kg	13	42	1		8260	qh	2001-8-10 / 2001-8-10
Vinyl chloride	< 12	ug/kg	12	38	1		8260	qh	2001-8-10 / 2001-8-10

Approved By: _____ Date: ____/____/____

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: **TECUMSEH - GRAFTON**

Project ID: **# 1009010**

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **466 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN 5301**

Phone: **262-325-7750** Fax: **262-325-7750**

Samples received "On Ice" Temperature: **C** Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix																
01 TCE/TRA (ECD)	SOIL	X															
02 TCE/TRA (GC/MS)	SOIL																
03 % SOLIDS																	
04																	
05																	
06																	
07																	
08																	
09																	
10																	
11																	
12																	
13																	
14																	
15																	

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID																	COC#
8:00 AM	8/9/01	5-3-32	25377															20010584		

Relinquished By: *[Signature]* Date/Time: **8/9/01 16:40** Received By: *[Signature]* Special Instructions:



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 Phone: (414) 355-5800 Fax: (414) 355-3099

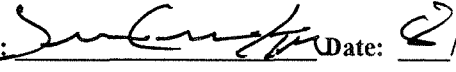
Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010584
 DATE REPORTED: 14-Aug-01
 DATE RECEIVED: 09-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25377		QC Prep Batch Number: 997943					Collection: 8/9/2001		Time: 08:00
Client ID: s-3.32							Sample Description:		
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/9/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/9/2001

Approved By:  Date: 8/14/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit. NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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 Phone: (414) 355-5800 Fax: (414) 355-3099

Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010584
 DATE REPORTED: 23-Aug-01
 DATE RECEIVED: 09-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25377	QC Prep Batch Number: 998080					Collection: 8/9/2001			Time: 08:00
Client ID: s-3.32	% Solid = 89.5 %					Sample Description:			
1,1,1-Trichloroethane	< 17	ug/kg	17	56	1	8260	qh		/ 8/10/2001
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	78	1	8260	qh		/ 8/10/2001
1,1,2-Trichloroethane	< 25	ug/kg	25	78	1	8260	qh		/ 8/10/2001
1,1-Dichloroethane	< 18	ug/kg	18	57	1	8260	qh		/ 8/10/2001
1,1-Dichloroethene	< 19	ug/kg	19	61	1	8260	qh		/ 8/10/2001
1,2,3-Trichlorobenzene	< 28	ug/kg	28	88	1	8260	qh		/ 8/10/2001
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	qh		/ 8/10/2001
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	qh		/ 8/10/2001
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	59	1	8260	qh		/ 8/10/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	61	1	8260	qh		/ 8/10/2001
1,2-Dichloroethane	< 19	ug/kg	19	62	1	8260	qh		/ 8/10/2001
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	qh		/ 8/10/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	61	1	8260	qh		/ 8/10/2001
1,3-Dichlorobenzene	< 15	ug/kg	15	46	1	8260	qh		/ 8/10/2001
1,3-Dichloropropane	< 22	ug/kg	22	69	1	8260	qh		/ 8/10/2001
1,4-Dichlorobenzene	< 20	ug/kg	20	63	1	8260	qh		/ 8/10/2001
2,2-Dichloropropane	< 15	ug/kg	15	49	1	8260	qh		/ 8/10/2001
2-Chlorotoluene	< 17	ug/kg	17	53	1	8260	qh		/ 8/10/2001
4-Chlorotoluene	< 15	ug/kg	15	47	1	8260	qh		/ 8/10/2001
Benzene	< 15	ug/kg	15	48	1	8260	qh		/ 8/10/2001
Bromobenzene	< 17	ug/kg	17	55	1	8260	qh		/ 8/10/2001
Bromodichloromethane	< 21	ug/kg	21	68	1	8260	qh		/ 8/10/2001
Carbon tetrachloride	< 15	ug/kg	15	48	1	8260	qh		/ 8/10/2001
Chlorobenzene	< 15	ug/kg	15	46	1	8260	qh		/ 8/10/2001
Chloroethane	< 36	ug/kg	36	113	1	8260	qh		/ 8/10/2001
Chloroform	< 14	ug/kg	14	43	1	8260	qh		/ 8/10/2001
Chloromethane	< 28	ug/kg	28	88	1	8260	qh		/ 8/10/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1	8260	qh		/ 8/10/2001
Dibromochloromethane	< 23	ug/kg	23	72	1	8260	qh		/ 8/10/2001
Dichlorodifluoromethane	< 15	ug/kg	15	47	1	8260	qh		/ 8/10/2001
Ethylbenzene	< 14	ug/kg	14	45	1	8260	qh		/ 8/10/2001
Hexachlorobutadiene	< 23	ug/kg	23	74	1	8260	qh		/ 8/10/2001
Isopropyl Ether	< 17	ug/kg	17	53	1	8260	qh		/ 8/10/2001
Isopropylbenzene	< 18	ug/kg	18	58	1	8260	qh		/ 8/10/2001
m&p-xylene	< 30	ug/kg	30	95	1	8260	qh		/ 8/10/2001
Methylene chloride	< 17	ug/kg	17	54	1	8260	qh		/ 8/10/2001
MTBE	< 22	ug/kg	22	69	1	8260	qh		/ 8/10/2001
n-Butylbenzene	< 20	ug/kg	20	64	1	8260	qh		/ 8/10/2001
n-Propylbenzene	< 16	ug/kg	16	50	1	8260	qh		/ 8/10/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010584
 DATE REPORTED: 18-Oct-01
 DATE RECEIVED: 09-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 42	ug/kg	42	134	1		8260	qh	8/13/2001 / 8/10/2001
o-xylene	< 14	ug/kg	14	44	1		8260	qh	8/13/2001 / 8/10/2001
p-Isopropyltoluene	< 18	ug/kg	18	56	1		8260	qh	8/13/2001 / 8/10/2001
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	qh	8/13/2001 / 8/10/2001
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	qh	8/13/2001 / 8/10/2001
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	qh	8/13/2001 / 8/10/2001
Toluene	< 16	ug/kg	16	52	1		8260	qh	8/13/2001 / 8/10/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	qh	8/13/2001 / 8/10/2001
Trichloroethene	< 19	ug/kg	19	61	1		8260	qh	8/13/2001 / 8/10/2001
Trichlorofluoromethane	< 13	ug/kg	13	43	1		8260	qh	8/13/2001 / 8/10/2001
Vinyl chloride	< 12	ug/kg	12	38	1		8260	qh	8/13/2001 / 8/10/2001

Approved By: 

James Chang, Ph.D., Lab Director

Date: 10/18/01

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: **TECUMSEH - GRAFTON**

Project ID: **# 1007010**

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **W66 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN 5301**

Phone: **262-325-4750** Fax: **262-325-4750**

Samples received "On Ice" Temperature: **C** Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix																	
01 TCE/TRA (ECD)	SOIL	X	X	X	X	X	X	X	X	X								
02 TCE/TRA (GC/MS)	SOIL																	
03 % SOLIDS																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		

Additional Information:	Collection Time	Collection Date	Sample ID	Lab ID	COC#
	2:00	8/10/01	ST-1-3F	25400	20010590
	2:05		ST-3-3F	25401	
	2:15		ST-4-3F	25402	
	1:45		ST-5-3F	25403	
	1:50		ST-6-3F	25404	
	2:45		NT-2-1F	25405	
	2:40		NT-3-1F	25406	
	2:00		NT-6-1F	25407	
	2:15		NT-7-1F	25408	

Relinquished By: <i>[Signature]</i>	Date/Time: 15:25 8/14/01	Received By: <i>[Signature]</i>	Special Instructions:
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8222 W. Calumet Rd., Milwaukee, WI 53223
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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010590
 DATE REPORTED: 21-Aug-01
 DATE RECEIVED: 10-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25400		QC Prep Batch Number: 997949			Collection: 8/10/2001		Time: 14:00		
Client ID: ST-1-3F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Trichloroethene	697	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Sample Number: 25401		QC Prep Batch Number: 997949			Collection: 8/10/2001		Time: 14:05		
Client ID: ST-3-3F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Trichloroethene	946	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Sample Number: 25402		QC Prep Batch Number: 997949			Collection: 8/10/2001		Time: 14:15		
Client ID: ST-4-3F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Trichloroethene	1280	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Sample Number: 25403		QC Prep Batch Number: 997949			Collection: 8/10/2001		Time: 15:45		
Client ID: ST-5-3T		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Trichloroethene	853	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Sample Number: 25404		QC Prep Batch Number: 997949			Collection: 8/10/2001		Time: 13:50		
Client ID: ST-6-3F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Trichloroethene	592	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Sample Number: 25405		QC Prep Batch Number: 997949			Collection: 8/10/2001		Time: 14:45		
Client ID: NT-2-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Trichloroethene	43	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Sample Number: 25406		QC Prep Batch Number: 997949			Collection: 8/10/2001		Time: 14:40		
Client ID: NT-3-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Trichloroethene	158	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010590
 DATE REPORTED: 21-Aug-01
 DATE RECEIVED: 10-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25407		QC Prep Batch Number: 997949		Collection: 8/10/2001		Time: 14:20			
Client ID: NT-6-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Trichloroethene	100	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Sample Number: 25408		QC Prep Batch Number: 997949		Collection: 8/10/2001		Time: 14:25			
Client ID: NT-7-1F		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	
Trichloroethene	36	ug/kg	0.03	0.08	1	8082	QH	8/10/2001 / 8/10/2001	

Approved By:  Date: 8/26/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



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 Phone: (414) 355-5800 Fax: (414) 355-3099

Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010590
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 10-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25400									
Client ID: ST-1-3F									
	QC Prep Batch Number:	998028					Collection: 8/10/2001		Time: 14:00
	% Solid = 89.5	%					Sample Description:		
1,1,1-Trichloroethane	< 17	ug/kg	17	56	1		8260	qh	8/10/2001 / 8/10/2001
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	78	1		8260	qh	8/10/2001 / 8/10/2001
1,1,2-Trichloroethane	< 25	ug/kg	25	78	1		8260	qh	8/10/2001 / 8/10/2001
1,1-Dichloroethane	< 18	ug/kg	18	57	1		8260	qh	8/10/2001 / 8/10/2001
1,1-Dichloroethene	< 19	ug/kg	19	61	1		8260	qh	8/10/2001 / 8/10/2001
1,2,3-Trichlorobenzene	< 28	ug/kg	28	88	1		8260	qh	8/10/2001 / 8/10/2001
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1		8260	qh	8/10/2001 / 8/10/2001
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	59	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	61	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dichloroethane	< 19	ug/kg	19	62	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dichloropropane	< 18	ug/kg	18	57	1		8260	qh	8/10/2001 / 8/10/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	61	1		8260	qh	8/10/2001 / 8/10/2001
1,3-Dichlorobenzene	< 15	ug/kg	15	46	1		8260	qh	8/10/2001 / 8/10/2001
1,3-Dichloropropane	< 22	ug/kg	22	69	1		8260	qh	8/10/2001 / 8/10/2001
1,4-Dichlorobenzene	< 20	ug/kg	20	63	1		8260	qh	8/10/2001 / 8/10/2001
2,2-Dichloropropane	< 15	ug/kg	15	49	1		8260	qh	8/10/2001 / 8/10/2001
2-Chlorotoluene	< 17	ug/kg	17	53	1		8260	qh	8/10/2001 / 8/10/2001
4-Chlorotoluene	< 15	ug/kg	15	47	1		8260	qh	8/10/2001 / 8/10/2001
Benzene	< 15	ug/kg	15	48	1		8260	qh	8/10/2001 / 8/10/2001
Bromobenzene	< 17	ug/kg	17	55	1		8260	qh	8/10/2001 / 8/10/2001
Bromodichloromethane	< 21	ug/kg	21	68	1		8260	qh	8/10/2001 / 8/10/2001
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	qh	8/10/2001 / 8/10/2001
Chlorobenzene	< 15	ug/kg	15	46	1		8260	qh	8/10/2001 / 8/10/2001
Chloroethane	< 36	ug/kg	36	113	1		8260	qh	8/10/2001 / 8/10/2001
Chloroform	< 14	ug/kg	14	43	1		8260	qh	8/10/2001 / 8/10/2001
Chloromethane	< 28	ug/kg	28	88	1		8260	qh	8/10/2001 / 8/10/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	qh	8/10/2001 / 8/10/2001
Dibromochloromethane	< 23	ug/kg	23	72	1		8260	qh	8/10/2001 / 8/10/2001
Dichlorodifluoromethane	< 15	ug/kg	15	47	1		8260	qh	8/10/2001 / 8/10/2001
Ethylbenzene	< 14	ug/kg	14	45	1		8260	qh	8/10/2001 / 8/10/2001
Hexachlorobutadiene	< 23	ug/kg	23	74	1		8260	qh	8/10/2001 / 8/10/2001
Isopropyl Ether	< 17	ug/kg	17	53	1		8260	qh	8/10/2001 / 8/10/2001
Isopropylbenzene	< 18	ug/kg	18	58	1		8260	qh	8/10/2001 / 8/10/2001
m&p-xylene	36	ug/kg	30	95	1	J	8260	qh	8/10/2001 / 8/10/2001
Methylene chloride	< 17	ug/kg	17	54	1		8260	qh	8/10/2001 / 8/10/2001
MTBE	< 22	ug/kg	22	69	1		8260	qh	8/10/2001 / 8/10/2001
n-Butylbenzene	< 20	ug/kg	20	64	1		8260	qh	8/10/2001 / 8/10/2001
n-Propylbenzene	< 16	ug/kg	16	50	1		8260	qh	8/10/2001 / 8/10/2001

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010590
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 10-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	150	ug/kg	42	134	1	8260	qh		8/10/2001 / 8/10/2001
o-xylene	< 14	ug/kg	14	44	1	8260	qh		8/10/2001 / 8/10/2001
p-Isopropyltoluene	< 18	ug/kg	18	56	1	8260	qh		8/10/2001 / 8/10/2001
sec-Butylbenzene	< 19	ug/kg	19	60	1	8260	qh		8/10/2001 / 8/10/2001
tert-Butylbenzene	< 17	ug/kg	17	54	1	8260	qh		8/10/2001 / 8/10/2001
Tetrachloroethene	< 17	ug/kg	17	54	1	8260	qh		8/10/2001 / 8/10/2001
Toluene	< 16	ug/kg	16	52	1	8260	qh		8/10/2001 / 8/10/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1	8260	qh		8/10/2001 / 8/10/2001
Trichloroethene	779	ug/kg	19	61	1	8260	qh		8/10/2001 / 8/10/2001
Trichlorofluoromethane	< 13	ug/kg	13	43	1	8260	qh		8/10/2001 / 8/10/2001
Vinyl chloride	< 12	ug/kg	12	38	1	8260	qh		8/10/2001 / 8/10/2001

Sample Number: 25403

QC Prep Batch Number: 998028

Collection: 8/10/2001

Time: 15:45

Client ID: ST-5-3T

% Solid = 90.2 %

Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 17	ug/kg	17	55	1	8260	qh		8/10/2001 / 8/10/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	77	1	8260	qh		8/10/2001 / 8/10/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	77	1	8260	qh		8/10/2001 / 8/10/2001
1,1-Dichloroethane	< 18	ug/kg	18	56	1	8260	qh		8/10/2001 / 8/10/2001
1,1-Dichloroethene	< 19	ug/kg	19	60	1	8260	qh		8/10/2001 / 8/10/2001
1,2,3-Trichlorobenzene	< 28	ug/kg	28	88	1	8260	qh		8/10/2001 / 8/10/2001
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1	8260	qh		8/10/2001 / 8/10/2001
1,2,4-Trimethylbenzene	35	ug/kg	17	53	1	J 8260	qh		8/10/2001 / 8/10/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	58	1	8260	qh		8/10/2001 / 8/10/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	60	1	8260	qh		8/10/2001 / 8/10/2001
1,2-Dichloroethane	< 19	ug/kg	19	61	1	8260	qh		8/10/2001 / 8/10/2001
1,2-Dichloropropane	< 18	ug/kg	18	57	1	8260	qh		8/10/2001 / 8/10/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	61	1	8260	qh		8/10/2001 / 8/10/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	46	1	8260	qh		8/10/2001 / 8/10/2001
1,3-Dichloropropane	< 22	ug/kg	22	69	1	8260	qh		8/10/2001 / 8/10/2001
1,4-Dichlorobenzene	< 20	ug/kg	20	63	1	8260	qh		8/10/2001 / 8/10/2001
2,2-Dichloropropane	< 15	ug/kg	15	48	1	8260	qh		8/10/2001 / 8/10/2001
2-Chlorotoluene	< 17	ug/kg	17	53	1	8260	qh		8/10/2001 / 8/10/2001
4-Chlorotoluene	< 15	ug/kg	15	47	1	8260	qh		8/10/2001 / 8/10/2001
Benzene	< 15	ug/kg	15	47	1	8260	qh		8/10/2001 / 8/10/2001
Bromobenzene	< 17	ug/kg	17	55	1	8260	qh		8/10/2001 / 8/10/2001
Bromodichloromethane	< 21	ug/kg	21	68	1	8260	qh		8/10/2001 / 8/10/2001
Carbon tetrachloride	< 15	ug/kg	15	47	1	8260	qh		8/10/2001 / 8/10/2001
Chlorobenzene	< 14	ug/kg	14	46	1	8260	qh		8/10/2001 / 8/10/2001
Chloroethane	< 35	ug/kg	35	112	1	8260	qh		8/10/2001 / 8/10/2001
Chloroform	< 13	ug/kg	13	43	1	8260	qh		8/10/2001 / 8/10/2001
Chloromethane	323	ug/kg	27	87	1	8260	qh		8/10/2001 / 8/10/2001

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010590
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 10-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	qh	8/10/2001 / 8/10/2001
Dibromochloromethane	< 23	ug/kg	23	72	1		8260	qh	8/10/2001 / 8/10/2001
Dichlorodifluoromethane	< 15	ug/kg	15	47	1		8260	qh	8/10/2001 / 8/10/2001
Ethylbenzene	< 14	ug/kg	14	45	1		8260	qh	8/10/2001 / 8/10/2001
Hexachlorobutadiene	< 23	ug/kg	23	74	1		8260	qh	8/10/2001 / 8/10/2001
Isopropyl Ether	< 16	ug/kg	16	52	1		8260	qh	8/10/2001 / 8/10/2001
Isopropylbenzene	< 18	ug/kg	18	58	1		8260	qh	8/10/2001 / 8/10/2001
m&p-xylene	36	ug/kg	30	94	1	J	8260	qh	8/10/2001 / 8/10/2001
Methylene chloride	< 17	ug/kg	17	53	1		8260	qh	8/10/2001 / 8/10/2001
MTBE	< 22	ug/kg	22	69	1		8260	qh	8/10/2001 / 8/10/2001
n-Butylbenzene	< 20	ug/kg	20	63	1		8260	qh	8/10/2001 / 8/10/2001
n-Propylbenzene	< 16	ug/kg	16	50	1		8260	qh	8/10/2001 / 8/10/2001
Naphthalene	141	ug/kg	42	133	1		8260	qh	8/10/2001 / 8/10/2001
o-xylene	< 14	ug/kg	14	44	1		8260	qh	8/10/2001 / 8/10/2001
p-Isopropyltoluene	< 17	ug/kg	17	55	1		8260	qh	8/10/2001 / 8/10/2001
sec-Butylbenzene	< 19	ug/kg	19	59	1		8260	qh	8/10/2001 / 8/10/2001
tert-Butylbenzene	< 17	ug/kg	17	53	1		8260	qh	8/10/2001 / 8/10/2001
Tetrachloroethene	< 17	ug/kg	17	54	1		8260	qh	8/10/2001 / 8/10/2001
Toluene	< 16	ug/kg	16	51	1		8260	qh	8/10/2001 / 8/10/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	qh	8/10/2001 / 8/10/2001
Trichloroethene	946	ug/kg	19	61	1		8260	qh	8/10/2001 / 8/10/2001
Trichlorofluoromethane	< 13	ug/kg	13	42	1		8260	qh	8/10/2001 / 8/10/2001
Vinyl chloride	< 12	ug/kg	12	38	1		8260	qh	8/10/2001 / 8/10/2001

Sample Number: 25405

QC Prep Batch Number: 998028

Collection: 8/10/2001

Time: 14:45

Client ID: NT-2-1F

% Solid = 87.4 %

Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1		8260	qh	8/10/2001 / 8/10/2001
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	80	1		8260	qh	8/10/2001 / 8/10/2001
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1		8260	qh	8/10/2001 / 8/10/2001
1,1-Dichloroethane	< 18	ug/kg	18	58	1		8260	qh	8/10/2001 / 8/10/2001
1,1-Dichloroethene	< 20	ug/kg	20	62	1		8260	qh	8/10/2001 / 8/10/2001
1,2,3-Trichlorobenzene	< 28	ug/kg	28	90	1		8260	qh	8/10/2001 / 8/10/2001
1,2,4-Trichlorobenzene	< 27	ug/kg	27	85	1		8260	qh	8/10/2001 / 8/10/2001
1,2,4-Trimethylbenzene	< 17	ug/kg	17	55	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	60	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	62	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dichloroethane	< 20	ug/kg	20	63	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dichloropropane	< 18	ug/kg	18	59	1		8260	qh	8/10/2001 / 8/10/2001
1,3,5-Trimethylbenzene	< 20	ug/kg	20	63	1		8260	qh	8/10/2001 / 8/10/2001
1,3-Dichlorobenzene	< 15	ug/kg	15	47	1		8260	qh	8/10/2001 / 8/10/2001
1,3-Dichloropropane	< 22	ug/kg	22	71	1		8260	qh	8/10/2001 / 8/10/2001

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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010590
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 10-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,4-Dichlorobenzene	< 20	ug/kg	20	65	1		8260	qh	8/10/2001 / 8/10/2001
2,2-Dichloropropane	< 16	ug/kg	16	50	1		8260	qh	8/10/2001 / 8/10/2001
2-Chlorotoluene	< 17	ug/kg	17	54	1		8260	qh	8/10/2001 / 8/10/2001
4-Chlorotoluene	< 15	ug/kg	15	48	1		8260	qh	8/10/2001 / 8/10/2001
Benzene	< 15	ug/kg	15	49	1		8260	qh	8/10/2001 / 8/10/2001
Bromobenzene	< 18	ug/kg	18	57	1		8260	qh	8/10/2001 / 8/10/2001
Bromodichloromethane	< 22	ug/kg	22	70	1		8260	qh	8/10/2001 / 8/10/2001
Carbon tetrachloride	< 15	ug/kg	15	49	1		8260	qh	8/10/2001 / 8/10/2001
Chlorobenzene	< 15	ug/kg	15	47	1		8260	qh	8/10/2001 / 8/10/2001
Chloroethane	< 36	ug/kg	36	116	1		8260	qh	8/10/2001 / 8/10/2001
Chloroform	< 14	ug/kg	14	44	1		8260	qh	8/10/2001 / 8/10/2001
Chloromethane	< 28	ug/kg	28	90	1		8260	qh	8/10/2001 / 8/10/2001
cis-1,2-Dichloroethene	< 16	ug/kg	16	49	1		8260	qh	8/10/2001 / 8/10/2001
Dibromochloromethane	< 23	ug/kg	23	74	1		8260	qh	8/10/2001 / 8/10/2001
Dichlorodifluoromethane	< 15	ug/kg	15	48	1		8260	qh	8/10/2001 / 8/10/2001
Ethylbenzene	112	ug/kg	14	46	1		8260	qh	8/10/2001 / 8/10/2001
Hexachlorobutadiene	< 24	ug/kg	24	76	1		8260	qh	8/10/2001 / 8/10/2001
Isopropyl Ether	< 17	ug/kg	17	54	1		8260	qh	8/10/2001 / 8/10/2001
Isopropylbenzene	< 19	ug/kg	19	60	1		8260	qh	8/10/2001 / 8/10/2001
m&p-xylene	844	ug/kg	31	97	1		8260	qh	8/10/2001 / 8/10/2001
Methylene chloride	< 17	ug/kg	17	55	1		8260	qh	8/10/2001 / 8/10/2001
MTBE	< 22	ug/kg	22	71	1		8260	qh	8/10/2001 / 8/10/2001
n-Butylbenzene	< 20	ug/kg	20	65	1		8260	qh	8/10/2001 / 8/10/2001
n-Propylbenzene	< 16	ug/kg	16	51	1		8260	qh	8/10/2001 / 8/10/2001
Naphthalene	< 43	ug/kg	43	137	1		8260	qh	8/10/2001 / 8/10/2001
o-xylene	313	ug/kg	14	46	1		8260	qh	8/10/2001 / 8/10/2001
p-Isopropyltoluene	< 18	ug/kg	18	57	1		8260	qh	8/10/2001 / 8/10/2001
sec-Butylbenzene	< 19	ug/kg	19	61	1		8260	qh	8/10/2001 / 8/10/2001
tert-Butylbenzene	< 17	ug/kg	17	55	1		8260	qh	8/10/2001 / 8/10/2001
Tetrachloroethene	102	ug/kg	17	56	1		8260	qh	8/10/2001 / 8/10/2001
Toluene	< 17	ug/kg	17	53	1		8260	qh	8/10/2001 / 8/10/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	46	1		8260	qh	8/10/2001 / 8/10/2001
Trichloroethene	49	ug/kg	20	63	1	J	8260	qh	8/10/2001 / 8/10/2001
Trichlorofluoromethane	< 14	ug/kg	14	44	1		8260	qh	8/10/2001 / 8/10/2001
Vinyl chloride	< 12	ug/kg	12	39	1		8260	qh	8/10/2001 / 8/10/2001

Sample Number: 25407

QC Prep Batch Number: 998028

Collection: 8/10/2001

Time: 14:20

Client ID: NT-6-1F

% Solid = 85.7 %

Sample Description:

1,1,1-Trichloroethane	< 18	ug/kg	18	58	1		8260	qh	8/10/2001 / 8/10/2001
1,1,2,2-Tetrachloroethane	< 26	ug/kg	26	82	1		8260	qh	8/10/2001 / 8/10/2001
1,1,2-Trichloroethane	< 26	ug/kg	26	81	1		8260	qh	8/10/2001 / 8/10/2001

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Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010590
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 10-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloroethane	< 19	ug/kg	19	59	1		8260	qh	8/10/2001 / 8/10/2001
1,1-Dichloroethene	< 20	ug/kg	20	63	1		8260	qh	8/10/2001 / 8/10/2001
1,2,3-Trichlorobenzene	< 29	ug/kg	29	92	1		8260	qh	8/10/2001 / 8/10/2001
1,2,4-Trichlorobenzene	< 27	ug/kg	27	87	1		8260	qh	8/10/2001 / 8/10/2001
1,2,4-Trimethylbenzene	< 18	ug/kg	18	56	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	62	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dichlorobenzene	< 20	ug/kg	20	63	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dichloroethane	< 20	ug/kg	20	64	1		8260	qh	8/10/2001 / 8/10/2001
1,2-Dichloropropane	< 19	ug/kg	19	60	1		8260	qh	8/10/2001 / 8/10/2001
1,3,5-Trimethylbenzene	< 20	ug/kg	20	64	1		8260	qh	8/10/2001 / 8/10/2001
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1		8260	qh	8/10/2001 / 8/10/2001
1,3-Dichloropropane	< 23	ug/kg	23	72	1		8260	qh	8/10/2001 / 8/10/2001
1,4-Dichlorobenzene	< 21	ug/kg	21	66	1		8260	qh	8/10/2001 / 8/10/2001
2,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	qh	8/10/2001 / 8/10/2001
2-Chlorotoluene	< 17	ug/kg	17	55	1		8260	qh	8/10/2001 / 8/10/2001
4-Chlorotoluene	< 15	ug/kg	15	49	1		8260	qh	8/10/2001 / 8/10/2001
Benzene	< 16	ug/kg	16	50	1		8260	qh	8/10/2001 / 8/10/2001
Bromobenzene	< 18	ug/kg	18	58	1		8260	qh	8/10/2001 / 8/10/2001
Bromodichloromethane	< 22	ug/kg	22	71	1		8260	qh	8/10/2001 / 8/10/2001
Carbon tetrachloride	< 16	ug/kg	16	50	1		8260	qh	8/10/2001 / 8/10/2001
Chlorobenzene	< 15	ug/kg	15	48	1		8260	qh	8/10/2001 / 8/10/2001
Chloroethane	< 37	ug/kg	37	118	1		8260	qh	8/10/2001 / 8/10/2001
Chloroform	< 14	ug/kg	14	45	1		8260	qh	8/10/2001 / 8/10/2001
Chloromethane	< 29	ug/kg	29	92	1		8260	qh	8/10/2001 / 8/10/2001
cis-1,2-Dichloroethene	< 16	ug/kg	16	50	1		8260	qh	8/10/2001 / 8/10/2001
Dibromochloromethane	< 24	ug/kg	24	76	1		8260	qh	8/10/2001 / 8/10/2001
Dichlorodifluoromethane	< 16	ug/kg	16	49	1		8260	qh	8/10/2001 / 8/10/2001
Ethylbenzene	< 15	ug/kg	15	47	1		8260	qh	8/10/2001 / 8/10/2001
Hexachlorobutadiene	< 24	ug/kg	24	78	1		8260	qh	8/10/2001 / 8/10/2001
Isopropyl Ether	< 17	ug/kg	17	55	1		8260	qh	8/10/2001 / 8/10/2001
Isopropylbenzene	< 19	ug/kg	19	61	1		8260	qh	8/10/2001 / 8/10/2001
m&p-xylene	89	ug/kg	31	99	1	J	8260	qh	8/10/2001 / 8/10/2001
Methylene chloride	< 18	ug/kg	18	56	1		8260	qh	8/10/2001 / 8/10/2001
MTBE	< 23	ug/kg	23	73	1		8260	qh	8/10/2001 / 8/10/2001
n-Butylbenzene	< 21	ug/kg	21	66	1		8260	qh	8/10/2001 / 8/10/2001
n-Propylbenzene	< 16	ug/kg	16	52	1		8260	qh	8/10/2001 / 8/10/2001
Naphthalene	< 44	ug/kg	44	140	1		8260	qh	8/10/2001 / 8/10/2001
o-xylene	30	ug/kg	15	46	1	J	8260	qh	8/10/2001 / 8/10/2001
p-Isopropyltoluene	< 18	ug/kg	18	58	1		8260	qh	8/10/2001 / 8/10/2001
sec-Butylbenzene	< 20	ug/kg	20	63	1		8260	qh	8/10/2001 / 8/10/2001
tert-Butylbenzene	< 18	ug/kg	18	56	1		8260	qh	8/10/2001 / 8/10/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010590
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 10-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Tetrachloroethene	< 18	ug/kg	18	57	1		8260	qh	8/10/2001 / 8/10/2001
Toluene	< 17	ug/kg	17	54	1		8260	qh	8/10/2001 / 8/10/2001
trans-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	8/10/2001 / 8/10/2001
Trichloroethene	117	ug/kg	20	64	1		8260	qh	8/10/2001 / 8/10/2001
Trichlorofluoromethane	< 14	ug/kg	14	45	1		8260	qh	8/10/2001 / 8/10/2001
Vinyl chloride	< 12	ug/kg	12	40	1		8260	qh	8/10/2001 / 8/10/2001

Approved By:  Date: 8/20/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020008
 DATE REPORTED: 04-Jan-02
 DATE RECEIVED: 10-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25404		QC Prep Batch Number: 998084				Collection: 8/10/2001			Time: 13:50
Client ID: ST-6-3F		% Solid = 88	%			Sample Description:			
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1	8260	qh		8/14/2001 / 8/14/2001
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	79	1	8260	qh		8/14/2001 / 8/14/2001
1,1,2-Trichloroethane	< 25	ug/kg	25	79	1	8260	qh		8/14/2001 / 8/14/2001
1,1-Dichloroethane	< 18	ug/kg	18	58	1	8260	qh		8/14/2001 / 8/14/2001
1,1-Dichloroethene	< 19	ug/kg	19	62	1	8260	qh		8/14/2001 / 8/14/2001
1,2,3-Trichlorobenzene	< 28	ug/kg	28	90	1	8260	qh		8/14/2001 / 8/14/2001
1,2,4-Trichlorobenzene	< 27	ug/kg	27	85	1	8260	qh		8/14/2001 / 8/14/2001
1,2,4-Trimethylbenzene	< 17	ug/kg	17	54	1	8260	qh		8/14/2001 / 8/14/2001
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	60	1	8260	qh		8/14/2001 / 8/14/2001
1,2-Dichlorobenzene	< 19	ug/kg	19	62	1	8260	qh		8/14/2001 / 8/14/2001
1,2-Dichloroethane	< 20	ug/kg	20	63	1	8260	qh		8/14/2001 / 8/14/2001
1,2-Dichloropropane	< 18	ug/kg	18	58	1	8260	qh		8/14/2001 / 8/14/2001
1,3,5-Trimethylbenzene	< 20	ug/kg	20	62	1	8260	qh		8/14/2001 / 8/14/2001
1,3-Dichlorobenzene	< 15	ug/kg	15	47	1	8260	qh		8/14/2001 / 8/14/2001
1,3-Dichloropropane	< 22	ug/kg	22	71	1	8260	qh		8/14/2001 / 8/14/2001
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1	8260	qh		8/14/2001 / 8/14/2001
2,2-Dichloropropane	< 16	ug/kg	16	50	1	8260	qh		8/14/2001 / 8/14/2001
2-Chlorotoluene	< 17	ug/kg	17	54	1	8260	qh		8/14/2001 / 8/14/2001
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	qh		8/14/2001 / 8/14/2001
Benzene	< 15	ug/kg	15	49	1	8260	qh		8/14/2001 / 8/14/2001
Bromobenzene	< 18	ug/kg	18	56	1	8260	qh		8/14/2001 / 8/14/2001
Bromodichloromethane	< 22	ug/kg	22	69	1	8260	qh		8/14/2001 / 8/14/2001
Carbon tetrachloride	< 15	ug/kg	15	49	1	8260	qh		8/14/2001 / 8/14/2001
Chlorobenzene	< 15	ug/kg	15	47	1	8260	qh		8/14/2001 / 8/14/2001
Chloroethane	< 36	ug/kg	36	115	1	8260	qh		8/14/2001 / 8/14/2001
Chloroform	< 14	ug/kg	14	44	1	8260	qh		8/14/2001 / 8/14/2001
Chloromethane	88	ug/kg	28	89	1	J 8260	qh		8/14/2001 / 8/14/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	49	1	8260	qh		8/14/2001 / 8/14/2001
Dibromochloromethane	< 23	ug/kg	23	74	1	8260	qh		8/14/2001 / 8/14/2001
Dichlorodifluoromethane	< 15	ug/kg	15	48	1	8260	qh		8/14/2001 / 8/14/2001
Ethylbenzene	< 14	ug/kg	14	46	1	8260	qh		8/14/2001 / 8/14/2001
Hexachlorobutadiene	< 24	ug/kg	24	76	1	8260	qh		8/14/2001 / 8/14/2001
Isopropyl Ether	< 17	ug/kg	17	54	1	8260	qh		8/14/2001 / 8/14/2001
Isopropylbenzene	< 19	ug/kg	19	59	1	8260	qh		8/14/2001 / 8/14/2001
m&p-xylene	< 30	ug/kg	30	97	1	8260	qh		8/14/2001 / 8/14/2001
Methylene chloride	< 17	ug/kg	17	55	1	8260	qh		8/14/2001 / 8/14/2001
MTBE	< 22	ug/kg	22	71	1	8260	qh		8/14/2001 / 8/14/2001
n-Butylbenzene	< 20	ug/kg	20	65	1	8260	qh		8/14/2001 / 8/14/2001
n-Propylbenzene	< 16	ug/kg	16	51	1	8260	qh		8/14/2001 / 8/14/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020008
 DATE REPORTED: 04-Jan-02
 DATE RECEIVED: 10-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date	Ext/Anal
Naphthalene	< 43	ug/kg	43	136	1		8260	qh	8/14/2001 /	8/14/2001
o-xylene	< 14	ug/kg	14	45	1		8260	qh	8/14/2001 /	8/14/2001
p-Isopropyltoluene	< 18	ug/kg	18	57	1		8260	qh	8/14/2001 /	8/14/2001
sec-Butylbenzene	< 19	ug/kg	19	61	1		8260	qh	8/14/2001 /	8/14/2001
tert-Butylbenzene	< 17	ug/kg	17	55	1		8260	qh	8/14/2001 /	8/14/2001
Tetrachloroethene	< 17	ug/kg	17	55	1		8260	qh	8/14/2001 /	8/14/2001
Toluene	< 17	ug/kg	17	53	1		8260	qh	8/14/2001 /	8/14/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	46	1		8260	qh	8/14/2001 /	8/14/2001
Trichloroethene	673	ug/kg	20	62	1		8260	qh	8/14/2001 /	8/14/2001
Trichlorofluoromethane	< 14	ug/kg	14	44	1		8260	qh	8/14/2001 /	8/14/2001
Vinyl chloride	< 12	ug/kg	12	39	1		8260	qh	8/14/2001 /	8/14/2001

Approved By: James Chang Date: 1/14/02
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
 Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010596
 DATE REPORTED: 15-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25435									
Client ID: NT-1-2F									
QC Prep Batch Number: 997985									
Collection: 8/14/2001									
Time: 11:15									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		qh		/ 8/14/2001
Trichloroethene	1390	ug/kg	0.03	0.08	1		qh		/ 8/14/2001
Sample Number: 25436									
Client ID: NT-4-2F									
QC Prep Batch Number: 997985									
Collection: 8/14/2001									
Time: 11:25									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		qh		/ 8/14/2001
Trichloroethene	57	ug/kg	0.03	0.08	1		qh		/ 8/14/2001
Sample Number: 25437									
Client ID: NT--5-2F									
QC Prep Batch Number: 997985									
Collection: 8/14/2001									
Time: 11:00									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		qh		/ 8/14/2001
Trichloroethene	86	ug/kg	0.03	0.08	1		qh		/ 8/14/2001
Sample Number: 25438									
Client ID: NT-8-2F									
QC Prep Batch Number: 997985									
Collection: 8/14/2001									
Time: 11:10									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		qh		/ 8/14/2001
Trichloroethene	3280	ug/kg	0.03	0.08	1		qh		/ 8/14/2001
Sample Number: 25439									
Client ID: ST-4-4F									
QC Prep Batch Number: 997985									
Collection: 8/14/2001									
Time: 11:40									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		qh		/ 8/14/2001
Trichloroethene	1620	ug/kg	0.03	0.08	1		qh		/ 8/14/2001



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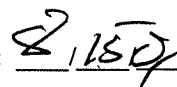
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010596
 DATE REPORTED: 15-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:  Date: 
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010596
 DATE REPORTED: 23-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25436									
Client ID: NT-4-2F									
	QC Prep Batch Number: 998084					Collection: 8/14/2001			Time: 11:25
	% Solid = 87	%				Sample Description:			
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1	8260	qh		/ 8/14/2001
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	80	1	8260	qh		/ 8/14/2001
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1	8260	qh		/ 8/14/2001
1,1-Dichloroethane	< 18	ug/kg	18	59	1	8260	qh		/ 8/14/2001
1,1-Dichloroethene	< 20	ug/kg	20	62	1	8260	qh		/ 8/14/2001
1,2,3-Trichlorobenzene	< 29	ug/kg	29	91	1	8260	qh		/ 8/14/2001
1,2,4-Trichlorobenzene	< 27	ug/kg	27	86	1	8260	qh		/ 8/14/2001
1,2,4-Trimethylbenzene	202	ug/kg	17	55	1	8260	qh		/ 8/14/2001
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	61	1	8260	qh		/ 8/14/2001
1,2-Dichlorobenzene	< 20	ug/kg	20	62	1	8260	qh		/ 8/14/2001
1,2-Dichloroethane	< 20	ug/kg	20	63	1	8260	qh		/ 8/14/2001
1,2-Dichloropropane	< 19	ug/kg	19	59	1	8260	qh		/ 8/14/2001
1,3,5-Trimethylbenzene	73	ug/kg	20	63	1	8260	qh		/ 8/14/2001
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1	8260	qh		/ 8/14/2001
1,3-Dichloropropane	< 22	ug/kg	22	71	1	8260	qh		/ 8/14/2001
1,4-Dichlorobenzene	< 20	ug/kg	20	65	1	8260	qh		/ 8/14/2001
2,2-Dichloropropane	< 16	ug/kg	16	50	1	8260	qh		/ 8/14/2001
2-Chlorotoluene	< 17	ug/kg	17	54	1	8260	qh		/ 8/14/2001
4-Chlorotoluene	< 15	ug/kg	15	48	1	8260	qh		/ 8/14/2001
Benzene	54	ug/kg	15	49	1	8260	qh		/ 8/14/2001
Bromobenzene	< 18	ug/kg	18	57	1	8260	qh		/ 8/14/2001
Bromodichloromethane	< 22	ug/kg	22	70	1	8260	qh		/ 8/14/2001
Carbon tetrachloride	< 15	ug/kg	15	49	1	8260	qh		/ 8/14/2001
Chlorobenzene	< 15	ug/kg	15	48	1	8260	qh		/ 8/14/2001
Chloroethane	< 37	ug/kg	37	116	1	8260	qh		/ 8/14/2001
Chloroform	< 14	ug/kg	14	44	1	8260	qh		/ 8/14/2001
Chloromethane	< 28	ug/kg	28	90	1	8260	qh		/ 8/14/2001
cis-1,2-Dichloroethene	< 16	ug/kg	16	50	1	8260	qh		/ 8/14/2001
Dibromochloromethane	< 23	ug/kg	23	74	1	8260	qh		/ 8/14/2001
Dichlorodifluoromethane	< 15	ug/kg	15	49	1	8260	qh		/ 8/14/2001
Ethylbenzene	142	ug/kg	15	46	1	8260	qh		/ 8/14/2001
Hexachlorobutadiene	< 24	ug/kg	24	76	1	8260	qh		/ 8/14/2001
Isopropyl Ether	< 17	ug/kg	17	54	1	8260	qh		/ 8/14/2001
Isopropylbenzene	< 19	ug/kg	19	60	1	8260	qh		/ 8/14/2001
m&p-xylene	382	ug/kg	31	98	1	8260	qh		/ 8/14/2001
Methylene chloride	< 17	ug/kg	17	55	1	8260	qh		/ 8/14/2001
MTBE	< 22	ug/kg	22	71	1	8260	qh		/ 8/14/2001
n-Butylbenzene	< 21	ug/kg	21	65	1	8260	qh		/ 8/14/2001
n-Propylbenzene	41	ug/kg	16	52	1	J 8260	qh		/ 8/14/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010596
 DATE REPORTED: 23-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 43	ug/kg	43	138	1		8260	qh	/ 8/14/2001
o-xylene	141	ug/kg	14	46	1		8260	qh	/ 8/14/2001
p-Isopropyltoluene	< 18	ug/kg	18	57	1		8260	qh	/ 8/14/2001
sec-Butylbenzene	< 19	ug/kg	19	62	1		8260	qh	/ 8/14/2001
tert-Butylbenzene	< 17	ug/kg	17	55	1		8260	qh	/ 8/14/2001
Tetrachloroethene	< 18	ug/kg	18	56	1		8260	qh	/ 8/14/2001
Toluene	262	ug/kg	17	53	1		8260	qh	/ 8/14/2001
trans-1,2-Dichloroethene	< 15	ug/kg	15	46	1		8260	qh	/ 8/14/2001
Trichloroethene	66	ug/kg	20	63	1		8260	qh	/ 8/14/2001
Trichlorofluoromethane	< 14	ug/kg	14	44	1		8260	qh	/ 8/14/2001
Vinyl chloride	< 12	ug/kg	12	39	1		8260	qh	/ 8/14/2001

Approved By: 

Date: 

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

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Project Name: TECUMSEH - GRAFTON

Project ID: # 1009010

Project Manager: CURT HOFFART

Company: KEY ENGINEERING

Address: 466 N215 COMMERCE CT.

City/State/Zip: CEONA WISCONSIN 5301

Phone: 262-325-4750 Fax: 262-325-7821

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100
 Preservation / Filtration Code

Test Required	Matrix																			
01 TCE/TRA (ECD)	SOIL	X	X	X																
02 TCE/TRA (GC/MS)	SOIL																			
03 % SOLIDS																				
04																				
05																				
06																				
07																				
08																				
09																				
10																				
11																				
12																				
13																				
14																				
15																				

Additional Information:	Collection Time	Collection Date	Sample ID	Lab ID	COC#
	2:10 PM	8/2/01	NT-1-3F	25557	20010622
	2:30 PM	↓	NT-8-3F	25558	
	2:40 PM		ST-4-5F	25559	

Relinquished By: <u>[Signature]</u>	Date/Time: <u>8/2/01 15:15</u>	Received By: <u>[Signature]</u>	Special Instructions:
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010622
 DATE REPORTED: 22-Aug-01
 DATE RECEIVED: 21-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: TECUMSEH-G

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25557 QC Prep Batch Number: 998051 Collection: 2001-8-21 Time: 14:40									
Client ID: NT-1-3F Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	QH	/ 2001-8-21
Trichloroethene	1510	ug/kg	0.03	0.08	1		8082	QH	/ 2001-8-21
Sample Number: 25558 QC Prep Batch Number: 998051 Collection: 2001-8-21 Time: 14:30									
Client ID: NT-8-3F Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	QH	/ 2001-8-21
Trichloroethene	1590	ug/kg	0.03	0.08	1		8082	QH	/ 2001-8-21
Sample Number: 25559 QC Prep Batch Number: 998051 Collection: 2001-8-21 Time: 14:20									
Client ID: ST-4-5F Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	QH	/ 2001-8-21
Trichloroethene	891	ug/kg	0.03	0.08	1		8082	QH	/ 2001-8-21

590

25404

Approved By: James Chang Date: 8/22/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: **TECUMSEH - GRAFTON**

Project ID: **# 1009010**

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **466 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN, WI 5301**

Phone: **262-325-4750** Fax: **262-325-4750**

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	COC#
01 TCE/TRA (ECD)	SOIL	X	+																
02 TCE/TRA (GC/MS)	SOIL																		
03 % SOLIDS																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			
Additional Information:		Collection Time	2:30 PM	2:40 PM															
		Collection Date	8/28/04	8/28/04															
		Sample ID	NF-1-4F	NF-2-4F															
		Lab ID	25665	25666															
																			20010653

Relinquished By: *[Signature]* Date/Time: *8:28/04* Received By: *[Signature]* Special Instructions:



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 Phone: (414) 355-5800 Fax: (414) 355-3099

Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010653
 DATE REPORTED: 29-Aug-01
 DATE RECEIVED: 28-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Sample Number: 25665 QC Prep Batch Number: 998120 Collection: 8/28/2001 Time: 14:30
 Client ID: NT-1-4F Sample Description:

1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/28/2001
Trichloroethene	654	ug/kg	0.03	0.08	1		8082	qh	/ 8/28/2001

Sample Number: 25666 QC Prep Batch Number: 998120 Collection: 8/28/2001 Time: 14:40
 Client ID: NT-8-4F Sample Description:

1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/28/2001
Trichloroethene	1410	ug/kg	0.03	0.08	1		8082	qh	/ 8/28/2001

Approved By: James Chang Date: 8/29/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 $LOQ = 10 (S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 $LOD = 3.143 (S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
 Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name:
TECUMSEH - GRAFTON

Project ID:
1067010

Project Manager: **CURT HOFFART**

Company: **KEY ENGINEERING**

Address: **466 N215 COMMERCE CT.**

City/State/Zip: **CEONA WISCONSIN 5301**

Phone: **262-325-4750** Fax: **262-325-4750**

Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Code

Test Required	Matrix																		
01 TCE/TRA (ECD)	SOIL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
02 TCE/TRA (GC/MS)	SOIL										X	X	X					X	
03 % SOLIDS																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			

Additional Information:

Report on
 TCE/TCE only
 not Full 8260
 list.

Collection Time	Collection Date	Sample ID	Lab ID	COC #
1:30	8/31/01	NT-8-SF	25731	
1:35		ST-1	25732	
1:40		ST-2	25733	
1:45		ST-3	25734	
1:50		ST-4	25735	
1:55		ST-5	25736	
2:00		ST-6	25737	
2:05		ST-7	25738	
2:10		ST-8	25739	
2:15		ST-9	25711	
2:20		ST-10	25712	
2:25		ST-11	25713	
2:30		NT-3	25740	
2:35		NT-4	25741	
2:40		NT-5	25742	
2:45		NT-6	25743	
2:50		NT-11	25714	
				20010664 (4 samples)
				20010673 (left samples)

Relinquished By: <i>Fennel</i>	Date/Time 8/31/01 3:40	Received By: <i>[Signature]</i>	Special Instructions:
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 Phone: (414) 355-5800 Fax: (414) 355-3099

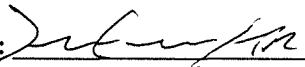
Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010664
 DATE REPORTED: 04-Sep-01
 DATE RECEIVED: 31-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh -Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25711 QC Prep Batch Number: 998135 Collection: 8/31/2001 Time: 14:15									
Client ID: ST-9 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/31/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/31/2001
Sample Number: 25712 QC Prep Batch Number: 998135 Collection: 8/31/2001 Time: 14:20									
Client ID: ST-10 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/31/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/31/2001
Sample Number: 25713 QC Prep Batch Number: 998135 Collection: 8/31/2001 Time: 14:25									
Client ID: ST-11 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/31/2001
Trichloroethene	242	ug/kg	0.03	0.08	1		8082	qh	/ 8/31/2001
Sample Number: 25714 QC Prep Batch Number: 998135 Collection: 8/31/2001 Time: 14:50									
Client ID: NT-11 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/31/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 8/31/2001

Approved By:  Date: 8/14/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

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 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: **TECUMSEH - GRAFTON**
 Project ID: **# 1069010**

Project Manager: **CURT HOFFART**
 Company: **KEY ENGINEERING**
 Address: **466 N215 COMMERCE CT.**
 City/State/Zip: **CEONA WISCONSIN 5301**
 Phone: **262-325-4750** Fax: **262-325-4750**

Samples received "On Ice" Temperature: **C** Sample intact/not leaking

A. HCl E. Methanol 100
 B. HNO3 F. Filtered Preservation /
 C. NaOH G. None Filtration Code
 D. H2SO4 H. Others

Test Required

Matrix

Test	Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
01 TCE/TRA (ECD)	SOIL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
02 TCE/TRA (GC/MS)	SOIL										X	X	X					X
03 % SOLIDS																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		

Additional Information:
 Report on
 TCE/TCE only
 not Full 8260
 list.

Collection Time	Collection Date	Sample ID	Lab ID	COC#
1:30	8/31/01	NT-8-SF		20010664
1:35		ST-1		
1:40		ST-2		
1:45		ST-3		
1:50		ST-4		
1:55		ST-5		
2:00		ST-6		
2:05		ST-7		
2:10		ST-8		
2:15		ST-9	25711	
2:20		ST-10	25717	
2:25		ST-11	25713	
2:30		NT-3		
2:35		NT-4		
2:40		NT-5		
2:45		NT-6		
2:50		NT-11	25714	

Acquired By: *[Signature]* Date/Time: 8/31/01 3:40
 Received By: *[Signature]* Special Instructions:



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010673
 DATE REPORTED: 06-Sep-01
 DATE RECEIVED: 31-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal	
Sample Number: 25731										
Client ID: NT-8-5F										
		QC Prep Batch Number:	998190			Collection:		8/31/2001		
						Time:		13:30		
Sample Description:										
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Trichloroethene	638	ug/kg	0.03	0.03	1	8082	qh		/ 9/5/2001	
Sample Number: 25732										
Client ID: ST-1										
		QC Prep Batch Number:	998190			Collection:		8/31/2001		
						Time:		13:35		
Sample Description:										
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Trichloroethene	41	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Sample Number: 25733										
Client ID: ST-2										
		QC Prep Batch Number:	998190			Collection:		8/31/2001		
						Time:		13:40		
Sample Description:										
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Sample Number: 25734										
Client ID: ST-3										
		QC Prep Batch Number:	998190			Collection:		8/31/2001		
						Time:		13:45		
Sample Description:										
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Trichloroethene	82	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Sample Number: 25735										
Client ID: ST-4										
		QC Prep Batch Number:	998190			Collection:		8/31/2001		
						Time:		13:50		
Sample Description:										
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Sample Number: 25736										
Client ID: ST-5										
		QC Prep Batch Number:	998190			Collection:		8/31/2001		
						Time:		13:55		
Sample Description:										
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Sample Number: 25737										
Client ID: ST-6										
		QC Prep Batch Number:	998190			Collection:		8/31/2001		
						Time:		14:00		
Sample Description:										
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001	



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 Phone: (414) 355-5800 Fax: (414) 355-3099

Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010673
 DATE REPORTED: 06-Sep-01
 DATE RECEIVED: 31-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25738		QC Prep Batch Number: 998190		Collection: 8/31/2001		Time: 14:05			
Client ID: ST-7		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Trichloroethene	37	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Sample Number: 25739		QC Prep Batch Number: 998190		Collection: 8/31/2001		Time: 14:10			
Client ID: ST-8		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Trichloroethene	46	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Sample Number: 25740		QC Prep Batch Number: 998190		Collection: 8/31/2001		Time: 14:30			
Client ID: NT-3		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Trichloroethene	125	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Sample Number: 25741		QC Prep Batch Number: 998190		Collection: 8/31/2001		Time: 14:35			
Client ID: NT-4		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Trichloroethene	28	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Sample Number: 25742		QC Prep Batch Number: 998190		Collection: 8/31/2001		Time: 14:40			
Client ID: NT-5		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Sample Number: 25743		QC Prep Batch Number: 998190		Collection: 8/31/2001		Time: 14:45			
Client ID: NT-6		Sample Description:							
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001
Trichloroethene	24	ug/kg	0.03	0.08	1	8082	qh		/ 9/5/2001



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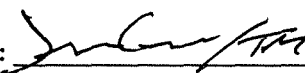
Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010673
 DATE REPORTED: 06-Sep-01
 DATE RECEIVED: 31-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:  Date: 9/6/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010673
 DATE REPORTED: 18-Oct-01
 DATE RECEIVED: 31-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25731		QC Prep Batch Number: 998262				Collection: 8/31/2001			Time: 13:30
Client ID: NT-8-5F		% Solid = 92.5 %				Sample Description:			
1,1,1-Trichloroethane	< 17	ug/kg	17	54	1	8260	qh		9/5/2001 / 9/5/2001
1,1,2,2-Tetrachloroethane	< 24	ug/kg	24	76	1	8260	qh		9/5/2001 / 9/5/2001
1,1,2-Trichloroethane	< 24	ug/kg	24	75	1	8260	qh		9/5/2001 / 9/5/2001
1,1-Dichloroethane	< 17	ug/kg	17	55	1	8260	qh		9/5/2001 / 9/5/2001
1,1-Dichloroethene	< 18	ug/kg	18	59	1	8260	qh		9/5/2001 / 9/5/2001
1,2,3-Trichlorobenzene	< 27	ug/kg	27	85	1	8260	qh		9/5/2001 / 9/5/2001
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260	qh		9/5/2001 / 9/5/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	52	1	8260	qh		9/5/2001 / 9/5/2001
1,2-Dibromo-3-chloropropan	< 18	ug/kg	18	57	1	8260	qh		9/5/2001 / 9/5/2001
1,2-Dichlorobenzene	< 18	ug/kg	18	59	1	8260	qh		9/5/2001 / 9/5/2001
1,2-Dichloroethane	< 19	ug/kg	19	60	1	8260	qh		9/5/2001 / 9/5/2001
1,2-Dichloropropane	< 17	ug/kg	17	55	1	8260	qh		9/5/2001 / 9/5/2001
1,3,5-Trimethylbenzene	< 19	ug/kg	19	59	1	8260	qh		9/5/2001 / 9/5/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	45	1	8260	qh		9/5/2001 / 9/5/2001
1,3-Dichloropropane	< 21	ug/kg	21	67	1	8260	qh		9/5/2001 / 9/5/2001
1,4-Dichlorobenzene	< 19	ug/kg	19	61	1	8260	qh		9/5/2001 / 9/5/2001
2,2-Dichloropropane	< 15	ug/kg	15	47	1	8260	qh		9/5/2001 / 9/5/2001
2-Chlorotoluene	< 16	ug/kg	16	51	1	8260	qh		9/5/2001 / 9/5/2001
4-Chlorotoluene	< 14	ug/kg	14	45	1	8260	qh		9/5/2001 / 9/5/2001
Benzene	< 15	ug/kg	15	46	1	8260	qh		9/5/2001 / 9/5/2001
Bromobenzene	< 17	ug/kg	17	53	1	8260	qh		9/5/2001 / 9/5/2001
Bromodichloromethane	< 21	ug/kg	21	66	1	8260	qh		9/5/2001 / 9/5/2001
Carbon tetrachloride	< 15	ug/kg	15	46	1	8260	qh		9/5/2001 / 9/5/2001
Chlorobenzene	< 14	ug/kg	14	45	1	8260	qh		9/5/2001 / 9/5/2001
Chloroethane	< 34	ug/kg	34	109	1	8260	qh		9/5/2001 / 9/5/2001
Chloroform	< 13	ug/kg	13	42	1	8260	qh		9/5/2001 / 9/5/2001
Chloromethane	< 27	ug/kg	27	85	1	8260	qh		9/5/2001 / 9/5/2001
cis-1,2-Dichloroethene	< 15	ug/kg	15	47	1	8260	qh		9/5/2001 / 9/5/2001
Dibromochloromethane	< 22	ug/kg	22	70	1	8260	qh		9/5/2001 / 9/5/2001
Dichlorodifluoromethane	< 14	ug/kg	14	46	1	8260	qh		9/5/2001 / 9/5/2001
Ethylbenzene	< 14	ug/kg	14	44	1	8260	qh		9/5/2001 / 9/5/2001
Hexachlorobutadiene	< 23	ug/kg	23	72	1	8260	qh		9/5/2001 / 9/5/2001
Isopropyl Ether	< 16	ug/kg	16	51	1	8260	qh		9/5/2001 / 9/5/2001
Isopropylbenzene	< 18	ug/kg	18	56	1	8260	qh		9/5/2001 / 9/5/2001
m&p-xylene	< 29	ug/kg	29	92	1	8260	qh		9/5/2001 / 9/5/2001
Methylene chloride	< 16	ug/kg	16	52	1	8260	qh		9/5/2001 / 9/5/2001
MTBE	< 21	ug/kg	21	67	1	8260	qh		9/5/2001 / 9/5/2001
n-Butylbenzene	< 19	ug/kg	19	62	1	8260	qh		9/5/2001 / 9/5/2001
n-Propylbenzene	< 15	ug/kg	15	48	1	8260	qh		9/5/2001 / 9/5/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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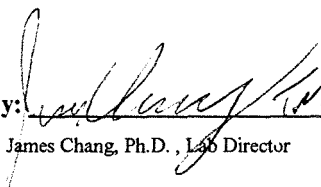
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010673
 DATE REPORTED: 18-Oct-01
 DATE RECEIVED: 31-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 41	ug/kg	41	130	1		8260	qh	9/5/2001 / 9/5/2001
o-xylene	< 14	ug/kg	14	43	1		8260	qh	9/5/2001 / 9/5/2001
p-Isopropyltoluene	< 17	ug/kg	17	54	1		8260	qh	9/5/2001 / 9/5/2001
sec-Butylbenzene	< 18	ug/kg	18	58	1		8260	qh	9/5/2001 / 9/5/2001
tert-Butylbenzene	< 16	ug/kg	16	52	1		8260	qh	9/5/2001 / 9/5/2001
Tetrachloroethene	< 17	ug/kg	17	53	1		8260	qh	9/5/2001 / 9/5/2001
Toluene	< 16	ug/kg	16	50	1		8260	qh	9/5/2001 / 9/5/2001
trans-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	qh	9/5/2001 / 9/5/2001
Trichloroethene	690	ug/kg	19	59	1		8260	qh	9/5/2001 / 9/5/2001
Trichlorofluoromethane	< 13	ug/kg	13	41	1		8260	qh	9/5/2001 / 9/5/2001
Vinyl chloride	< 12	ug/kg	12	37	1		8260	qh	9/5/2001 / 9/5/2001

Approved By: 

Date: 10/18/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010664
 DATE REPORTED: 18-Oct-01
 DATE RECEIVED: 31-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh -Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25711									
Client ID: ST-9									
QC Prep Batch Number: 998543									
Collection: 8/31/2001									
Time: 14:15									
% Solid = 89.9 %									
Sample Description:									
1,1,1-Trichloroethane	< 17	ug/kg	17	55	1		8260	qh	8/31/2001 / 8/31/2001
Trichloroethene	< 19	ug/kg	19	61	1		8260	qh	8/31/2001 / 8/31/2001
Sample Number: 25712									
Client ID: ST-10									
QC Prep Batch Number: 998543									
Collection: 8/31/2001									
Time: 14:20									
% Solid = 90.6 %									
Sample Description:									
1,1,1-Trichloroethane	< 17	ug/kg	17	55	1		8260	qh	8/31/2001 / 8/31/2001
Trichloroethene	< 19	ug/kg	19	61	1		8260	qh	8/31/2001 / 8/31/2001
Sample Number: 25713									
Client ID: ST-11									
QC Prep Batch Number: 998543									
Collection: 8/31/2001									
Time: 14:25									
% Solid = 88 %									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1		8260	qh	8/31/2001 / 8/31/2001
Trichloroethene	276	ug/kg	20	62	1		8260	qh	8/31/2001 / 8/31/2001
Sample Number: 25714									
Client ID: NT-11									
QC Prep Batch Number: 998543									
Collection: 8/31/2001									
Time: 14:50									
% Solid = 82.3 %									
Sample Description:									
1,1,1-Trichloroethane	< 19	ug/kg	19	61	1		8260	qh	8/31/2001 / 8/31/2001
Trichloroethene	< 21	ug/kg	21	67	1		8260	qh	8/31/2001 / 8/31/2001

Approved By: 

Date: 10/18/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010724
 DATE REPORTED: 12-Sep-01
 DATE RECEIVED: 10-Sep-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25829 QC Prep Batch Number: 998235 Collection: 9/10/2001 Time: 15:00									
Client ID: ST-11A Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Trichloroethene	32	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Sample Number: 25830 QC Prep Batch Number: 998235 Collection: 9/10/2001 Time: 15:05									
Client ID: NT-9 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Trichloroethene	13	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Sample Number: 25831 QC Prep Batch Number: 998235 Collection: 9/10/2001 Time: 15:15									
Client ID: NT-10 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Sample Number: 25832 QC Prep Batch Number: 998235 Collection: 9/10/2001 Time: 15:25									
Client ID: NT-1 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Sample Number: 25833 QC Prep Batch Number: 998235 Collection: 9/10/2001 Time: 15:30									
Client ID: NT-2 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Trichloroethene	0.20	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Sample Number: 25834 QC Prep Batch Number: 998235 Collection: 9/10/2001 Time: 15:40									
Client ID: NT-7 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Trichloroethene	0.31	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Sample Number: 25835 QC Prep Batch Number: 998235 Collection: 9/10/2001 Time: 15:45									
Client ID: NT-8 Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001
Trichloroethene	0.51	ug/kg	0.03	0.08	1		8082	qh	/ 9/12/2001



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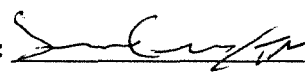
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 Key Engineering Group, LTD.
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 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010724
 DATE REPORTED: 12-Sep-01
 DATE RECEIVED: 10-Sep-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:  Date: 9/12/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010724
DATE REPORTED: 29-Nov-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25829									
Client ID: ST-11A									
QC Prep Batch Number: 998553									
Collection: 9/10/2001									
Time: 15:00									
% Solid = 84.6 %									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	59	1		8260	qh	9/12/2001 / 9/12/2001
Trichloroethene	37	ug/kg	20	65	1	J	8260	qh	9/12/2001 / 9/12/2001
Sample Number: 25830									
Client ID: NT-9									
QC Prep Batch Number: 998553									
Collection: 9/10/2001									
Time: 15:05									
% Solid = 87 %									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1		8260	qh	9/12/2001 / 9/12/2001
Trichloroethene	< 20	ug/kg	20	63	1		8260	qh	9/12/2001 / 9/12/2001
Sample Number: 25831									
Client ID: NT-10									
QC Prep Batch Number: 998553									
Collection: 9/10/2001									
Time: 15:15									
% Solid = 88.6 %									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	56	1		8260	qh	9/12/2001 / 9/12/2001
Trichloroethene	< 19	ug/kg	19	62	1		8260	qh	9/12/2001 / 9/12/2001
Sample Number: 25832									
Client ID: NT-1									
QC Prep Batch Number: 998553									
Collection: 9/10/2001									
Time: 15:25									
% Solid = 96 %									
Sample Description:									
1,1,1-Trichloroethane	< 16	ug/kg	16	52	1		8260	qh	9/12/2001 / 9/12/2001
1,1,2,2-Tetrachloroethane	< 23	ug/kg	23	73	1		8260	qh	9/12/2001 / 9/12/2001
1,2,3-Trichlorobenzene	< 26	ug/kg	26	82	1		8260	qh	9/12/2001 / 9/12/2001
1,2,4-Trichlorobenzene	< 24	ug/kg	24	78	1		8260	qh	9/12/2001 / 9/12/2001
1,2,4-Trimethylbenzene	< 16	ug/kg	16	50	1		8260	qh	9/12/2001 / 9/12/2001
1,2-Dibromo-3-chloropropan	< 17	ug/kg	17	55	1		8260	qh	9/12/2001 / 9/12/2001
1,2-Dichlorobenzene	< 18	ug/kg	18	56	1		8260	qh	9/12/2001 / 9/12/2001
1,3,5-Trimethylbenzene	< 18	ug/kg	18	57	1		8260	qh	9/12/2001 / 9/12/2001
1,3-Dichlorobenzene	< 14	ug/kg	14	43	1		8260	qh	9/12/2001 / 9/12/2001
1,4-Dichlorobenzene	< 19	ug/kg	19	59	1		8260	qh	9/12/2001 / 9/12/2001
2-Chlorotoluene	< 16	ug/kg	16	49	1		8260	qh	9/12/2001 / 9/12/2001
4-Chlorotoluene	< 14	ug/kg	14	44	1		8260	qh	9/12/2001 / 9/12/2001
Bromobenzene	< 16	ug/kg	16	51	1		8260	qh	9/12/2001 / 9/12/2001
Chlorobenzene	< 14	ug/kg	14	43	1		8260	qh	9/12/2001 / 9/12/2001
Ethylbenzene	< 13	ug/kg	13	42	1		8260	qh	9/12/2001 / 9/12/2001
Hexachlorobutadiene	< 22	ug/kg	22	69	1		8260	qh	9/12/2001 / 9/12/2001
Isopropylbenzene	< 17	ug/kg	17	54	1		8260	qh	9/12/2001 / 9/12/2001
m&p-xylene	< 28	ug/kg	28	89	1		8260	qh	9/12/2001 / 9/12/2001
n-Butylbenzene	< 19	ug/kg	19	59	1		8260	qh	9/12/2001 / 9/12/2001
n-Propylbenzene	< 15	ug/kg	15	47	1		8260	qh	9/12/2001 / 9/12/2001
Naphthalene	< 39	ug/kg	39	125	1		8260	qh	9/12/2001 / 9/12/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010724
 DATE REPORTED: 29-Nov-01
 DATE RECEIVED: 10-Sep-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
o-xylene	< 13	ug/kg	13	41	1		8260	qh	9/12/2001 / 9/12/2001
p-Isopropyltoluene	< 16	ug/kg	16	52	1		8260	qh	9/12/2001 / 9/12/2001
sec-Butylbenzene	< 18	ug/kg	18	56	1		8260	qh	9/12/2001 / 9/12/2001
tert-Butylbenzene	< 16	ug/kg	16	50	1		8260	qh	9/12/2001 / 9/12/2001
Trichloroethene	< 18	ug/kg	18	57	1		8260	qh	9/12/2001 / 9/12/2001

Sample Number: 25834

QC Prep Batch Number: 998553

Collection: 9/10/2001

Time: 15:40

Client ID: NT-7

% Solid = 98.9 %

Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 16	ug/kg	16	50	1		8260	qh	9/12/2001 / 9/12/2001
1,1,2,2-Tetrachloroethane	< 22	ug/kg	22	71	1		8260	qh	9/12/2001 / 9/12/2001
1,1,2-Trichloroethane	< 22	ug/kg	22	71	1		8260	qh	9/12/2001 / 9/12/2001
1,1-Dichloroethane	< 16	ug/kg	16	51	1		8260	qh	9/12/2001 / 9/12/2001
1,1-Dichloroethene	< 17	ug/kg	17	55	1		8260	qh	9/12/2001 / 9/12/2001
1,2,3-Trichlorobenzene	< 25	ug/kg	25	80	1		8260	qh	9/12/2001 / 9/12/2001
1,2,4-Trichlorobenzene	< 24	ug/kg	24	75	1		8260	qh	9/12/2001 / 9/12/2001
1,2,4-Trimethylbenzene	< 15	ug/kg	15	48	1		8260	qh	9/12/2001 / 9/12/2001
1,2-Dibromo-3-chloropropan	< 17	ug/kg	17	53	1		8260	qh	9/12/2001 / 9/12/2001
1,2-Dichlorobenzene	< 17	ug/kg	17	55	1		8260	qh	9/12/2001 / 9/12/2001
1,2-Dichloroethane	< 18	ug/kg	18	56	1		8260	qh	9/12/2001 / 9/12/2001
1,2-Dichloropropane	< 16	ug/kg	16	52	1		8260	qh	9/12/2001 / 9/12/2001
1,3,5-Trimethylbenzene	< 17	ug/kg	17	55	1		8260	qh	9/12/2001 / 9/12/2001
1,3-Dichlorobenzene	< 13	ug/kg	13	42	1		8260	qh	9/12/2001 / 9/12/2001
1,3-Dichloropropane	< 20	ug/kg	20	63	1		8260	qh	9/12/2001 / 9/12/2001
1,4-Dichlorobenzene	< 18	ug/kg	18	57	1		8260	qh	9/12/2001 / 9/12/2001
2,2-Dichloropropane	< 14	ug/kg	14	44	1		8260	qh	9/12/2001 / 9/12/2001
2-Chlorotoluene	< 15	ug/kg	15	48	1		8260	qh	9/12/2001 / 9/12/2001
4-Chlorotoluene	< 13	ug/kg	13	42	1		8260	qh	9/12/2001 / 9/12/2001
Benzene	< 14	ug/kg	14	43	1		8260	qh	9/12/2001 / 9/12/2001
Bromobenzene	< 16	ug/kg	16	50	1		8260	qh	9/12/2001 / 9/12/2001
Bromodichloromethane	< 19	ug/kg	19	62	1		8260	qh	9/12/2001 / 9/12/2001
Carbon tetrachloride	< 14	ug/kg	14	43	1		8260	qh	9/12/2001 / 9/12/2001
Chlorobenzene	< 13	ug/kg	13	42	1		8260	qh	9/12/2001 / 9/12/2001
Chloroethane	< 32	ug/kg	32	102	1		8260	qh	9/12/2001 / 9/12/2001
Chloroform	< 12	ug/kg	12	39	1		8260	qh	9/12/2001 / 9/12/2001
Chloromethane	< 25	ug/kg	25	79	1		8260	qh	9/12/2001 / 9/12/2001
cis-1,2-Dichloroethene	< 14	ug/kg	14	44	1		8260	qh	9/12/2001 / 9/12/2001
Dibromochloromethane	< 21	ug/kg	21	65	1		8260	qh	9/12/2001 / 9/12/2001
Dichlorodifluoromethane	< 13	ug/kg	13	43	1		8260	qh	9/12/2001 / 9/12/2001
Ethylbenzene	< 13	ug/kg	13	41	1		8260	qh	9/12/2001 / 9/12/2001
Hexachlorobutadiene	< 21	ug/kg	21	67	1		8260	qh	9/12/2001 / 9/12/2001
Isopropyl Ether	< 15	ug/kg	15	48	1		8260	qh	9/12/2001 / 9/12/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Curt Hoffart
Key Engineering Group, LTD.
W66 N215 Commerce Court
Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010724
DATE REPORTED: 29-Nov-01
DATE RECEIVED: 10-Sep-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1007010
PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropylbenzene	< 17	ug/kg	17	53	1		8260	qh	9/12/2001 / 9/12/2001
m&p-xylene	< 27	ug/kg	27	86	1		8260	qh	9/12/2001 / 9/12/2001
Methylene chloride	< 15	ug/kg	15	49	1		8260	qh	9/12/2001 / 9/12/2001
MTBE	< 20	ug/kg	20	63	1		8260	qh	9/12/2001 / 9/12/2001
n-Butylbenzene	< 18	ug/kg	18	58	1		8260	qh	9/12/2001 / 9/12/2001
n-Propylbenzene	< 14	ug/kg	14	45	1		8260	qh	9/12/2001 / 9/12/2001
Naphthalene	< 38	ug/kg	38	121	1		8260	qh	9/12/2001 / 9/12/2001
o-xylene	< 13	ug/kg	13	40	1		8260	qh	9/12/2001 / 9/12/2001
p-Isopropyltoluene	< 16	ug/kg	16	50	1		8260	qh	9/12/2001 / 9/12/2001
sec-Butylbenzene	< 17	ug/kg	17	54	1		8260	qh	9/12/2001 / 9/12/2001
tert-Butylbenzene	< 15	ug/kg	15	49	1		8260	qh	9/12/2001 / 9/12/2001
Tetrachloroethene	< 15	ug/kg	15	49	1		8260	qh	9/12/2001 / 9/12/2001
Toluene	< 15	ug/kg	15	47	1		8260	qh	9/12/2001 / 9/12/2001
trans-1,2-Dichloroethene	< 13	ug/kg	13	41	1		8260	qh	9/12/2001 / 9/12/2001
Trichloroethene	< 17	ug/kg	17	55	1		8260	qh	9/12/2001 / 9/12/2001
Trichlorofluoromethane	< 12	ug/kg	12	39	1		8260	qh	9/12/2001 / 9/12/2001
Vinyl chloride	< 11	ug/kg	11	34	1		8260	qh	9/12/2001 / 9/12/2001

Approved By: James Chang Date: 11/29/01

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

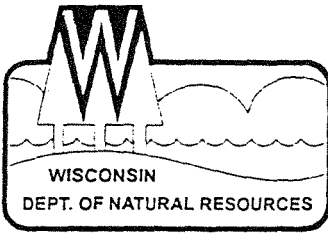
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Annex
4041 North Richards Street
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-229-0800
FAX 414-229-0810

December 22, 1999

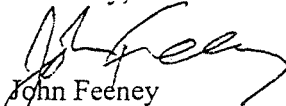
Kerry Dekeyser
Tecumseh Products Company
1604 Michigan Avenue
New Holstien, WI 53061-1175

Subject: Extension to 90 day soil treatment period, Remedial action at the east parking lot area, Tecumseh, 900 North Street, Grafton, file reference FID #246009170 ERR-ERP

Dear Mr. Dekeyser:

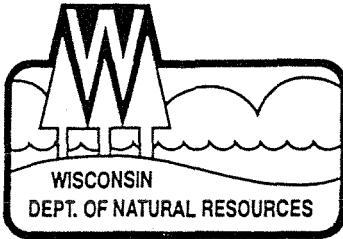
You can have another 30 days to treat and store soils in the north and south treatment tank areas. I am giving this extension under NR 615.05(4)11(b). The original 90-day period started on October 3, 2000 for the north tank, and on October 18 and 19, 2000 at the south tank.

Sincerley,


John Feeny
Hydrogeologist

Cc:

SER File



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 414-263-8713

April 26, 2001

File Ref: FID# 246009170
HW/LIC

Kerry DeKeyser
Tecumseh Products Company
1604 Michigan Avenue
New Holstein, WI 53061-1175

Curt Hoffart
Key Engineering Group LTD
W66 N215 Commerce Court
Cedarburg, WI 53012

RE: Cover Letter of Conditional Determination of a Variance Request for On-Site Hazardous Waste Tank Storage and Treatment
Tecumseh Products Company - Grafton Facility
EPA I.D.# - WID006094593

Dear Mr. DeKeyser & Mr. Hoffart:

The Department of Natural Resources (WDNR) has reviewed the Tecumseh Products Company - Grafton Facility (Tecumseh) variance request dated December 21, 2000, for a variance from the hazardous waste tank storage and treatment licensing requirements. WDNR has determined that the storage and treatment tanks as proposed will provide for satisfactory hazardous waste tank storage and treatment provided Tecumseh follows the conditions of the attached variance determination. Tecumseh shall operate the hazardous waste storage and treatment tanks in accordance with the December 21, 2000, request for a variance, the July 26, 2000, Remedial Action Work Plan, the July 31, 2000, Remedial Action Plan Approval, the February 7, 2001, Response to Points of Incompleteness, the attached Conditional Determination for a Variance from Hazardous Waste Management Tank Storage and Treatment Licensing Requirements, and the appropriate sections of chs. NR 680 through 685, Wis. Adm. Code.

A draft variance determination and cover letter were sent to Tecumseh on January 26, 2001. Comments were received on the draft approval from Tecumseh on February 7, 2001. The Department has addressed and incorporated the comments presented in the February 7, 2001, Tecumseh response.

The Department has provided U.S. EPA Region 5 with the opportunity to review the draft approval. No formal comments were received from U.S. EPA Region 5.

The fee for a variance for tanks is \$1,200.00, for the review of the variance report, and \$2,400.00, for issuing a variance for tanks. Tecumseh submitted a payment of \$3,600.00, on February 7, 2001.

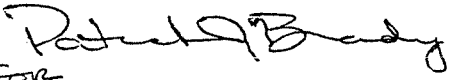
You are hereby advised pursuant to s. NR 680.50, Wis. Adm. Code, and s. 291.31, Wis. Stats., that a variance is granted for a period of 3 months from the date of the issuance of this variance. Your variance is subject to compliance with the conditions of this determination and the requirements of chs. NR 600 through 685, Wis. Adm. Code. Particular attention should be given to the conditions of this approval. WDNR reserves the right to modify the variance should conditions arise making such changes necessary.

In order to make the variance consistent with federal requirements, a public notice of WDNR's issuance of the conditional determination of the variance will be noticed on May 7, 2001, in the Wisconsin State

Journal and the Ozaukee County News Graphics. WDNR will take into consideration any comments received during the public comment period. WDNR may modify the conditional determination of a variance based on the comments received.

If you have any questions or comments on this variance please call Patrick Brady of my staff at (414) 263-8594.

Sincerely,



For
Franklin C. Schultz
Waste Management Team Supervisor
Southeast Region

- c. SER Casefile (F. Schultz, T. Kennedy, P. Brady)
P. Flaherty - LS/5
Bureau - WA/3
US EPA Region 5 - Todd Ramaly

BEFORE THE STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

CONDITIONAL DETERMINATION FOR A VARIANCE FROM
HAZARDOUS WASTE MANAGEMENT
TANK STORAGE AND TREATMENT
LICENSING REQUIREMENTS

TECUMSEH PRODUCTS COMPANY - GRAFTON FACILITY

EPA ID#: WID006094593

FID#: 246009170

GENERAL FACILITY INFORMATION

Facility Name:

Tecumseh Products Company - Grafton Facility (Tecumseh)

Mailing Address and Location:

900 North Street, Grafton, WI 53024

Phone # (262) 377-2700

SW1/4 of the SE1/4 of Section 13, Township 10N, Range 21E, in Ozaukee County

Owner:

Tecumseh Products Company, 100 East Patterson Street, Tecumseh, MI 49286

Facility Contact:

Kerry DeKeyser, Corporate Director of Environmental Control

Tecumseh Products Company, 1604 Michigan Avenue, New Holstein, WI 53061-1175

Report Prepared by:

Key Environmental Group, Ltd.,

W 66 N 215 Commerce Court, Cedarburg, WI 53012, 262/375-4750

Facility Description:

Tecumseh Products Company operates a manufacturing facility at 900 North Street in Grafton, Wisconsin. Tecumseh has manufactured two cycle gasoline engines at this location since the mid-1950's and assembled engines at the site until 1989. Processes associated with engine assembly included vapor degreasing of parts and engines, painting,

and engine testing. Solvents used for degreasing include Kerosene, Stoddard solvent, trichloroethene (TCE), and 1,1,1,-trichloroethane (TCA). Other materials such as toluene and xylene were used on-site in the painting operations. Gasoline and motor oil were also stored and used on-site. The chemicals were stored in aboveground and underground storage tanks.

During a period from December 1988 through June 1992, eight underground storage tanks were removed from the site. During the course of investigating release from the tanks, chlorinated volatile organic compounds were found in soil and groundwater.

Key Engineering Group on behalf of Tecumseh submitted a *Remedial Action Work Plan* dated July 26, 2000 for review and approval. The work plan specified a remedial action approach that identified three areas in the east parking lot for excavation of the most highly contaminated soil and on-site treatment. The identified clean-up level for the three areas was specified in the work plan as 1 milligram per kilogram (mg/kg) of TCE and 10 mg/kg TCA. The Department has concurred with the clean-up levels and after sufficient treatment the soils can be used as backfill on-site. The three excavation areas are estimated to remove 700, 280, and 3,400 cubic yards of soils.

While Tecumseh is performing treatment under the generator treatment exemption found in s. NR 630.04(18), Wis. Adm. Code, and has applied for the hazardous waste treatment and storage variance, Tecumseh asserts and maintains that the soils are not hazardous waste.

Tecumseh has constructed two treatment tanks side by side on the northern portion of their property. The tanks are approximately 20 feet wide by 300 feet long and have the capacity to contain approximately 500 cubic yards of soil. The base of the tanks consists of a 20-mil low-density polyethylene liner covered with approximately 6 inches of sand. The base is sloped to one end to capture any precipitation that might enter the tank. A waterproof cover is placed over the piles and extended over the tank walls to prevent precipitation from being captured by the tank and contacting contaminated soils.

Contaminated soils in the tanks will be treated by tilling the soil using a Scat® machine. Prior to treatment and as needed, the soil will be dried by using an infrared heater. The Scat® tills the soil into a hood that collects the volatilized contaminants with a blower attached to an activated carbon collection unit. The hood also contains water spray nozzles used to control dust. The Scat® is pulled over the soil by a small bulldozer that operates adjacent to the tank. Spent activated carbon is disposed of as hazardous waste.

When or if small amounts of stormwater accumulate in the treatment tanks the water will be pumped onto soils being treated. When the amounts of stormwater make pumping to the soils no longer feasible, a representative sample will be collected and analyzed for proper disposal.

The soils will be tilled during approximately two to three times per day, five days per week during dry periods. The tanks will remain closed on weekends, during rain and during cold weather periods. When treatment performance sampling indicates that the treated soils meet the TCE and TCA target clean up levels, four samples will be randomly collected from each tank and analyzed for TCA and TCE. Following confirmation of complete treatment, soils will be backfilled into previously excavated areas.

At the completion of the project, treatment tanks will be disassembled and the sand will be analyzed for TCE and TCA. If the sand does not contain detectable levels of TCA and TCE the sand will be left in place and covered with stockpiled soils originally located in the tank treatment area. If the sand contains detectable levels of TCE and TCA below clean-up target levels, the sand will be removed and spread at the location of the formerly excavated areas. If the sand contains TCA and TCE above the target concentrations, the sand will be subjected to the same treatment process as the excavated soils until the sand either contain nondetectable concentrations or the concentrations meet target clean-up levels.

Seasonal cold weather has made treatment nearly impossible to continue soil treatment due to soil condition and reduced treatment efficiency. Tecumseh has requested a hazardous waste treatment and storage variance per s. NR 680.50(3), Wis. Adm. Code, to complete treatment of soils currently in the tanks when warmer weather resumes in spring.

Discussion of Applicability of Variance:

Tecumseh is involved in the on-site remediation of contaminated soils. Tecumseh has been storing and treating the contaminated soils, which the WDNR considers to be a hazardous waste, under the generator treatment exemption, s. NR 630.04(18), Wis. Adm. Code. The generator treatment exemption allows treatment on-site by the generator within 90 days of the waste being generated. The treatment has occurred outside and requires warm ambient temperatures in order to be effective.

With the early arrival of winter, the efficiency of treating the soils was greatly reduced and Tecumseh was left with soils in the treatment tanks that they would not be able to treat efficiently until warmer weather conditions occur. Tecumseh says that they will be able to start treating soils again in later April or early May of 2001. Now the treatment and storage of the hazardous waste soils in the tanks would not be able to be completed within the 90 days required by the generator treatment exemption. Tecumseh will also be storing hazardous waste beyond the generator storage limit of 90 days. In order for Tecumseh to continue storing the hazardous waste and continue treating the hazardous waste in the spring, Tecumseh would need a hazardous waste treatment and storage license.

Because of the above situation, Tecumseh has requested a variance from the tank treatment and storage licensing requirements.

Tecumseh has already been able to treat approximately 2000 cubic yards of soils in approximately eight weeks. The Tecumseh operation of treating of the soils appears to have been an effective means to treat the hazardous waste contaminated soils. The treatment appears to have operated without causing any undue harm to human health and the environment.

Alternatives to the variance would appear to cause undue or unreasonable hardship to Tecumseh. The hardship appears to be from events beyond the control of Tecumseh.

Tecumseh anticipates finishing the treatment of soils at their site by June of 2001. The treatment of the soils appear as to have been effective

The note in s. NR 680.50(4), Wis. Adm. Code, explains that the use of the variance authority is intended to promote activities such as cleanup of hazardous waste contamination.

The note in s. NR 680.50(4), Wis. Adm. Code, provides the following example. "In order to clean up a contaminated site, it may be necessary to treat excavated soil that is hazardous. In this situation it may be undue and unreasonable hardship to delay the cleanup of the contamination while awaiting the issuance of a hazardous waste treatment license." This example fits the situation at Tecumseh. The Department does not want to delay the remediation activities. With issuance of the variance Tecumseh will accomplish a portion of the soil remediation and advance the entire remediation project on-site.

The Department wants to encourage and promote, when possible, in-state and on-site management of hazardous waste in Wisconsin. The Department believes that every effort should be made to limit the out-of-state shipment of hazardous waste for treatment or disposal.

There are a limited number of licensed facilities capable of treating and disposing of soils classified as a hazardous waste. The variance for on-site storage and treatment will allow for a more efficient method for treating these soils at Tecumseh.

If followed through as proposed, the type of storage and treatment that is being proposed here can be accomplished in a safe and efficient manner.

The Department has made the determination that compliance with the applicable license requirements would cause undue and unreasonable hardship, and that the variance would

not result in undue harm to human health and the environment.

FINDINGS OF FACT

Based on the Department's review of the information submitted, the Department finds that:

1. On July 26, 2000 Key Engineering Group LTD., submitted a Remedial Action Work Plan on behalf of Tecumseh to clean-up contaminated soils in three areas at Tecumseh in Grafton, Wisconsin.
2. In a letter to Tecumseh dated July 31, 2000 the Department approved the proposed remedial action plan for the east parking lot area from Key Engineering Group Ltd., dated July 26, 2000.
3. In a letter to Tecumseh dated December 22, 2000 the Department approved a 30-day extension to the 90-day large quantity hazardous waste generator storage period.
4. On December 21, 2000, Tecumseh submitted a request for a variance from the hazardous waste treatment and storage tank licensing requirements.
5. On January 12, 2001 the Department submitted a notice of incompleteness to Tecumseh in response to Tecumseh's December 21, 2000 request for a variance. The \$1,200 fee for review of a variance request was submitted on February 7, 2001.
6. A draft variance approval and cover letter were sent to Tecumseh on January 26, 2001. Comments were received on the draft approval from Tecumseh on February 7, 2001.
7. The Tecumseh draft variance approval and cover letter were sent to US EPA Region 5 on January 26, 2001. No official comments have been received on the draft approval have been received from US EPA Region 5.
8. On February 7, 2001, Tecumseh submitted the variance license fee of \$2,400.00.
9. The variance for the operation of these hazardous waste storage and treatment tanks will not result in undue harm to human health and the environment and compliance with the applicable license requirements would cause undue and unreasonable hardship.
10. The conditions set forth below are necessary to ensure compliance with chs. NR 600 through 685, Wis. Adm. Code. If the conditions are complied with, Tecumseh should be able to operate in compliance with chs. NR 600 through 685, Wis. Adm. Code.

CONCLUSIONS OF LAW

1. Under s. 291.31, Wis. Stats., and s. NR 680.50, Wis. Adm. Code, the Department has authority to issue a variance from the requirements of ch. 291, Wis. Stats., and chs. 600 through 685, Wis. Adm. Code, if it determines that application for or compliance with any license required under ch. 291, Wis. Stats., would cause undue or unreasonable hardship to any person, provided the variance does not result in undue harm to human health and the environment.
2. The Department has authority to issue a conditional variance, if the conditions are needed to ensure compliance with chs. NR 600 through 685, Wis. Adm. Code.
3. Under s. NR 680.50(1)(d), Wis. Adm. Code, the Department has the authority to revoke the variance at any time if it is determined that revocation is appropriate to protect human health and the environment.

DETERMINATION AND CONDITIONS

Based on the above findings, the Department hereby grants Tecumseh a variance under s. 291.31, Wis. Stats., and s. NR 680.50, Wis. Adm. Code, from the requirement to obtain an operating license under chs. NR 600 through 685, Wis. Adm. Code, for tank storage and treatment of hazardous waste for a period of 3 months. This variance is granted until 3 months from the date of issuance of the variance.

1. Tecumseh shall operate the hazardous waste storage and treatment tanks in accordance with the December 21, 2000, request for a variance, the July 26, 2000, Remedial Action Work Plan, the July 31, 2000, Remedial Action Plan Approval, the February 7, 2001, Response to Points of Incompleteness, the Conditional Determination for a Variance from Hazardous Waste Management Tank Storage and Treatment Licensing Requirements, and the appropriate sections of chs. NR 680 through 685, Wis. Adm. Code.
2. The Department is issuing this variance to Tecumseh for a period of 3 months from the date of this approval, July 26, 2001.
3. Tecumseh shall maintain the containment integrity of the storage and treatment unit.
4. Tecumseh shall cover the storage and treatment tanks when not treating the soils and during precipitation events. Tecumseh shall maintain the integrity of the cover.
5. For any submittal regarding a variance, Tecumseh shall provide a certification statement from the authorized representative of the facility as well as a certification statement from a registered professional engineer under s. NR 680.05(1)(c) and (2), Wis. Adm. Code.

6. This variance covers only the soils currently in place in the treatment tanks.
7. Tecumseh shall at all times maintain in good working order and operate efficiently all systems of control and related appurtenances for the operation. Proper operation and maintenance includes, but is not limited to, effective performance, adequate funding, effective management, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures.
8. Tecumseh shall notify the Department prior to beginning operation of the hazardous waste treatment tanks to allow the Department the opportunity to inspect, in accordance with s. NR 680.09, Wis. Adm. Code.
9. Tecumseh shall notify the Department of any plans to change the treatment operation.
10. Tecumseh shall keep documentation and notify the Department if or when it is necessary to ship or discharge excess precipitation collected in tank containment.
11. Tecumseh shall inform the Department when treatment of the soil is completed and submit to the Department a report with test results confirming that the contamination levels in the treated soils are below the agreed upon site specific soil cleanup level.
12. Tecumseh shall maintain security at the site as required by s. NR 630.14(2)(b)1., s. NR 630.14(2)(b)2., and s. NR 630.14(3), Wis. Adm. Code.
13. Tecumseh shall perform inspections and maintain a written inspection log as required and described in s. NR 630.15(2), Wis. Adm. Code, and s. NR 645.11, Wis. Adm. Code.
14. Tecumseh shall submit a closure plan as required by s. NR 680.50(2)(d)1., (which refers to s. NR 645.06, which refers to s. NR 640.16 and s. NR 685.05), Wis. Adm. Code.
15. Tecumseh shall provide the Department with proof of financial responsibility, which meets the closure requirements of s. NR 685.07(1)(a), Wis. Adm. Code, within 1 year of the date of this approval, unless soil treatment and tank closure is completed within one year.
16. Tecumseh shall provide the Department with proof of meeting the liability insurance requirements of s. NR 685.08, Wis. Adm. Code, within 1 year of the date of this approval, unless soil treatment and tank closure is completed within one year.

Any requested modifications to this determination must include appropriate documentation to justify a change in the determination. The Department will evaluate the request and respond in writing within 65 business days of its receipt. The requested modifications may not be

implemented until a favorable response is received from the Department.

The Department reserves the right to require changes to this determination should conditions arise making it necessary. The granting of this variance does not relieve Tecumseh of the legal obligation to meet all other state, federal and local permit, zoning, and regulatory requirements.

Pursuant to s. 291.31, Wis. Stats., this variance may be renewed or extended only after the opportunity for a public hearing on each variance renewal or extension. The Department at any time may revoke this variance, if the Department determines that the conditions stated above are not complied with or if revocation is appropriate to protect human health and the environment.

NOTICE OF APPEAL RIGHTS

If you believe you have the right to challenge this decision, you should know that Wisconsin Statutes and administrative rules establish time periods within which requests to review department decisions must be filed.

For judiciary review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the department, to file your petition with the appropriate circuit court and serve the petition on the department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

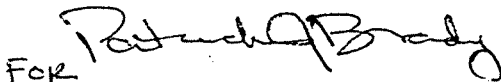
If you have any questions or comments on this variance please call Patrick Brady at 414/263-8594.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Dated:

Department of Natural Resources
For the Secretary



FOR
Franklin C. Schultz
Waste Management Team Supervisor
Southeast Region



FOR
Tim Kennedy
Waste Management Specialist

PUBLIC NOTICE
BEFORE THE STATE OF WISCONSIN

NOTICE OF ISSUANCE OF A CONDITIONAL DETERMINATION FOR A
VARIANCE FROM HAZARDOUS WASTE MANAGEMENT
TANK STORAGE AND TREATMENT LICENSING REQUIREMENTS

NOTICE IS HEREBY GIVEN, Pursuant to section 291.31, Wisconsin Statutes, and section NR 680.50(1)(d), Wisconsin Administrative Code, that the Department of Natural Resources (WDNR) has approved a request for a hazardous waste variance for tank storage and treatment as requested by Tecumseh Products Company. The hazardous waste storage and treatment to be covered by the variance is located at 900 North Street, Grafton, Ozaukee County, Wisconsin.

Tecumseh has been performing hazardous waste storage and treatment under a generator treatment exemption, s. NR 630.04(18), Wisconsin Administrative Code. Tecumseh has two treatment tanks where contaminated soils are treated by tilling and an infrared heater. A hood collects the volatilized contaminants and vents the contaminants through an activated carbon collection unit. Seasonal cold weather prevented Tecumseh from completing treatment of the soils already in the tanks. A generator treatment exemption can only apply for 90 days from the time the waste is generated. In order to complete the treatment of the contaminated soils already in the tanks, Tecumseh has requested a hazardous waste storage and treatment variance.

WDNR issued a variance to Tecumseh on April 26, 2001, addressing just the waste presently stored in the tanks. WDNR anticipates that Tecumseh will complete the treatment and storage of the contaminated soils in the tanks within the time allowed for this variance. WDNR is issuing this public notice in order to maintain consistency with the federal regulations.

Pursuant to section 291.31, Wisconsin Statutes, and section NR 680.50(1)(d), Wisconsin Administrative Code, the public is invited to submit written comments concerning this variance within 30 days from the date of publication of this notice. Comments shall be addressed to Patrick Brady at, WDNR, PO Box 12436, Milwaukee, WI 53212.

A written request for a public informational hearing may be filed with the Secretary of the Department within 30 days after publication of this notice by any interested person. All hearing requests shall be filed by delivery to the Office of the Secretary of the Department at 101 South Webster St., Madison, WI 53707, or by certified mail addressed to Secretary, Department of Natural Resources, PO Box 7921, Madison, WI 53707.

Interested individuals may submit written comments and/or requests to the WDNR to hold a public informational hearing on this proposed modification. Written comments and/or requests should include:

1. A statement of the person's interest or concern in the license application.
2. A statement of the action the person wishes the WDNR to take, including specific references to sections of the approval that the person believes should be changed, and/or the issues the person would like the WDNR to address at the hearing.
3. The statement of the reason supporting the person's position, stated with sufficient specificity so as to allow the WDNR to investigate the merits of the person's position, including reasons for requesting a public informational hearing.

If a public hearing is requested and scheduled, the hearing shall be conducted as an informational hearing utilizing the procedures in s. 277.18, Wisconsin Statutes. A notice of the hearing will be made in local newspapers and over a local radio station.

After the close of the public comment period, the WDNR will evaluate all comments received. WDNR will respond to all persons who submitted written comments.

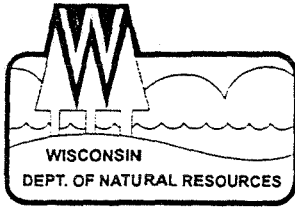
Copies of the variance extension request and the approval are available for public review at the following locations: WDNR, Bureau of Solid Waste Management, 101 South Webster St., Madison, WI 53707; and WDNR, Southeast Region Headquarters, 2300 N. Martin Luther King Jr. Dr., Milwaukee, WI 53212. At the Southeast region Headquarters, appointments for reviewing the administrative record can be made by calling (414) 263-8500.

Dated at Milwaukee, Wisconsin, April 26, 2001

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary


For

Franklin C. Schultz
Waste Management Team Supervisor
Southeast Region



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region
Milwaukee Service Center
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8716
TDD 414-263-8713

January 26, 2001

File Ref: FID# 246009170
HW/LIC

Kerry DeKeyser
Tecumseh Products Company
1604 Michigan Avenue
New Holstein, WI 53061-1175

Curt Hoffart
Key Engineering Group LTD.
W66 N215 Commerce Court
Cedarburg, WI 53012

RE: Draft Conditional Determination of a Variance Request for On-Site Hazardous Waste Tank Storage and Treatment - Tecumseh Products Company - Grafton Facility
EPA I.D.# - WID006094593

Dear Mr. DeKeyser & Mr. Hoffart:

The Department has reviewed the Tecumseh Products Company - Grafton Facility (Tecumseh) variance request dated December 21, 2000, for a variance from the hazardous waste tank storage and treatment licensing requirements. Attached to this letter is a DRAFT cover letter and a DRAFT variance determination.

Please carefully review the attached draft documents. If you have any questions, comments, disagree with any of the information, or know of any portion of the documents to be in error, notify the Department in writing no later than 30 days from the date of this letter.

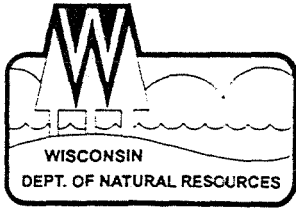
The Department as necessary may require additional information. The Department during the preliminary determination period may add conditions.

If you have any questions or comments on this variance please call Tim Kennedy of my staff at (414) 229-0858.

Sincerely,

Franklin C. Schultz
Waste Management Team Supervisor
Southeast Region

- c. SER Casefile (F. Schultz, T. Kennedy, P. Brady)
P. Flaherty - LS/5
Bureau - WA/3
US EPA Region 5 - Todd Ramaly



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region
Milwaukee Service Center
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8716
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DRAFT
(January 26, 2001)

File Ref: FID# 246009170
HW/LIC

Kerry DeKeyser
Tecumseh Products Company
1604 Michigan Avenue
New Holstein, WI 53061-1175

Curt Hoffart
Key Engineering Group LTD
W66 N215 Commerce Court
Cedarburg, WI 53012

RE: DRAFT Cover Letter of Draft Conditional Determination of a Variance Request for On-Site Hazardous Waste Tank Treatment and Storage
Tecumseh Products Company - Grafton Facility
EPA I.D.# - WID006094593

Dear Mr. DeKeyser & Mr. Hoffart:

The Department has reviewed the Tecumseh Products Company - Grafton Facility (Tecumseh) variance request dated December 21, 2000, for a variance from the hazardous waste tank treatment and storage licensing requirements. The Department has determined that the storage and treatment tanks as proposed will provide for satisfactory hazardous waste tank storage and treatment provided Tecumseh follows the conditions of the attached variance determination. Tecumseh shall operate the hazardous waste storage and treatment tanks in accordance with the December 21, 2000, request for a variance, the July 26, 2000, Remedial Action Work Plan, the July 31, 2000, Remedial Action Plan Approval, and the appropriate sections of chs. NR 680 through 685, Wis. Adm. Code

A draft variance determination and cover letter were sent to Tecumseh on January 26, 2001. Comments were received on the draft approval from Tecumseh on _____. The Department has addressed the comments presented in the _____, Tecumseh response.

The Department made the following changes to the draft approval:

The Department has provided U.S. EPA Region 5 with the opportunity to review the draft approval and has incorporated the following comments:

The fee for a variance for tanks is \$1,200.00, for the review of the variance report, and \$2,400.00, for issuing a variance for tanks. As part of the variance request submittal, Tecumseh submitted a payment of \$1,200.00. A variance license fee was submitted on _____.

You are hereby advised pursuant to s. NR 680.50, Wis. Adm. Code, and s. 291.31, Wis. Stats., that a variance is granted for a period of 6 months from the date of the issuance of this variance. Your variance is subject to compliance with the conditions of this determination and the requirements of chs. NR 600 through 685, Wis. Adm. Code. Particular attention should be given to the conditions of this approval. The Department reserves the right to modify the variance should conditions arise making such changes necessary.

Attached is the "Conditional Determination for a Variance from Hazardous Waste Management Tank Storage and Treatment Licensing Requirements".

If you have any questions or comments on this variance please call Tim Kennedy of my staff at (414) 229-0858.

Sincerely,

Franklin C. Schultz
Waste Management Team Supervisor
Southeast Region

- c. SER Casefile (F. Schultz, T. Kennedy, P. Brady)
P. Flaherty - LS/5
Bureau - WA/3
US EPA Region 5 - Todd Ramaly

**BEFORE THE STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES**

**CONDITIONAL DETERMINATION FOR A VARIANCE FROM
HAZARDOUS WASTE MANAGEMENT
TANK STORAGE AND TREATMENT
LICENSING REQUIREMENTS**

TECUMSEH PRODUCTS COMPANY - GRAFTON FACILITY

EPA ID#: WID006094593

FID#: 246009170

GENERAL FACILITY INFORMATION

Facility Name:

Tecumseh Products Company - Grafton Facility (Tecumseh)

Mailing Address and Location:

900 North Street

Grafton, WI 53024

Phone # (262) 377-2700

SW1/4 of the SE1/4 of Section 13, Township10N, Range 21E, in Ozaukee County

Owner:

Tecumseh Products Company

1604 Michigan Avenue

New Holstein, WI 53061-1175

Facility Contact:

Kerry DeKeyser, Manager, Environmental Affairs/ Product Emissions

Tecumseh Products Company

1604 Michigan Avenue

New Holstein, WI 53061-1175

Report Prepared by:

Larry Wehrheim, Senior Project Manager, Key Environmental Group, Ltd., W 66 N 215

Commerce Court, Cedarburg, WI 53012, 262/375-4750
Kenneth Wein, President, Key Environmental Group, Ltd.

Facility Description:

Tecumseh Products Company operates a manufacturing facility at 900 North Street in Grafton, Wisconsin. Tecumseh has manufactured two cycle gasoline engines at this location since the mid-1950's and assembled engines at the site until 1989. Processes associated with engine assembly included vapor degreasing of parts and engines, painting, and engine testing. Solvents used for degreasing include Kerosene, Stoddard solvent, trichloroethene (TCE), and 1,1,1-trichloroethane (TCA). Other materials such as toluene and xylene were used on-site in the painting operations. Gasoline and motor oil were also stored and used on-site. The chemicals were stored in aboveground and underground storage tanks.

During a period from December 1988 through June 1992, eight underground storage tanks were removed from the site. During the course of investigating release from the tanks, chlorinated volatile organic compounds were found in soil and groundwater.

Key Engineering Group on behalf of Tecumseh submitted a *Remedial Action Work Plan* dated July 26, 2000 for review and approval. The work plan specified a remedial action approach that identified three areas in the east parking lot for excavation of the most highly contaminated soil and on-site treatment. The identified clean-up level for the three areas was specified in the work plan as 1 milligram per kilogram (mg/kg) of TCE and 10 mg/kg TCA. The Department has concurred with the clean-up levels and after sufficient treatment the soils can be used as backfill on-site. The three excavation areas are estimated to remove 700, 280, and 3,400 cubic yards of soils.

While Tecumseh is performing treatment under the generator treatment exemption found in NR630.04(18), Wisconsin Administrative Code and has applied for the hazardous waste treatment and storage variance, Tecumseh asserts and maintains that the soils are not hazardous waste.

Tecumseh has constructed two treatment tanks side by side on the northern portion of their property. The tanks are approximately 20 feet wide by 300 feet long and have the capacity to contain approximately 500 cubic yards of soil. The base of the tanks consists of a 20-mil low-density polyethylene liner covered with approximately 6 inches of sand. The base is sloped to one end to capture any precipitation that might enter the tank. A waterproof cover is placed over the piles and extended over the tank walls to prevent precipitation from being captured by the tank and contacting contaminated soils.

Contaminated soils in the tanks will be treated by tilling the soil using a Scat® machine. Prior to treatment and as needed, the soil will be dried by using an infrared heater. The

Scat® tills the soil into a hood that collects the volatilized contaminants with a blower attached to an activated carbon collection unit. The hood also contains water spray nozzles used to control dust. The Scat® is pulled over the soil by a small bulldozer that operates adjacent to the tank. Spent activated carbon is disposed of as hazardous waste.

When or if small amounts of stormwater accumulate in the treatment tanks the water will be pumped onto soils being treated. When the amounts of stormwater make pumping to the soils no longer feasible, a representative sample will be collected and analyzed for proper disposal.

The soils will be tilled during approximately two to three times per day, five days per week during dry periods. The tanks will remain closed on weekend, during rain and cold weather periods. When treatment performance sampling indicates that the treated soils meet the TCE and TCA target clean up levels, four samples will be randomly collected from each tank and analyzed for TCA and TCE. Following confirmation of complete treatment, soils will be backfilled into previously excavated areas.

At the completion of the project, treatment tanks will be disassembled and the sand will be analyzed for TCE and TCA. If the sand does not contain detectable levels of TCA and TCE the sand will be left in place and covered with stockpiled soils originally located in the tank treatment area. If the sand contains detectable levels of TCE and TCA below clean-up target levels, the sand will be removed and spread at the location of the formerly excavated areas. If the sand contains TCA and TCE above the target concentrations, the sand will be subjected to the same treatment process as the excavated soils until the sand either contain nondetectable concentrations or the concentrations meet target clean-up levels.

Seasonal cold weather has made treatment nearly impossible to continue soil treatment due to soil condition and reduced treatment efficiency. Tecumseh has requested a hazardous waste treatment and storage variance per NR 680.50(3), Wisconsin Administrative Code to complete treatment of soils currently in the tanks when warmer weather resumes in spring.

Discussion of Applicability of Variance:

Tecumseh is involved in the on-site remediation of contaminated soils. Tecumseh has been storing and treating the contaminated soils, which the WDNR considers to be a hazardous waste, under the generator treatment exemption, s. NR 630.04(18), Wis. Adm. Code. The generator treatment exemption allows treatment on-site by the generator within 90 days of the waste being generated. The treatment has occurred outside and requires warm ambient temperatures in order to be effective.

With the early arrival of winter, the efficiency of treating the soils was greatly reduced

and Tecumseh was left with soils in the treatment tanks that they would not be able to treat efficiently until warmer weather conditions occur. Tecumseh says that they will be able to start treating soils again in late April or early May of 2001. Now the treatment and storage of the hazardous waste soils in the tanks would not be able to be completed within the 90 days required by the generator treatment exemption. Tecumseh will also be storing hazardous waste beyond the generator storage limit of 90 days. In order for Tecumseh to continue storing the hazardous waste and continue treating the hazardous waste in the spring, Tecumseh would need a hazardous waste treatment and storage license.

Because of the above situation, Tecumseh has requested a variance from the tank treatment and storage licensing requirements.

~~Tecumseh has already been able to treat~~ ~~cubic yards of soils in~~ ~~weeks.~~ As of December 7, 2000 Tecumseh reported that 150 cubic yards of soil are located in the north treatment tank while approximately 250 cubic yards are stored in the south treatment tank. The Tecumseh operation of treating of the soils appears to have been an effective means to treat the hazardous waste contaminated soils. Tecumseh anticipates finishing the treatment of soils at their site by June of 2001.

The treatment appears to have operated without causing any undue harm to human health and the environment. Alternatives to the variance would appear to cause undue or unreasonable hardship to Tecumseh. The hardship appears to be from events beyond the control of Tecumseh.

The note in s. NR 680.50(4), Wis. Adm. Code, explains that the use of the variance authority is intended to promote activities such as cleanup of hazardous waste contamination. The note in s. NR 680.50(4), Wis. Adm. Code, provides the following example. "In order to clean up a contaminated site, it may be necessary to treat excavated soil that is hazardous. In this situation it may be undue and unreasonable hardship to delay the cleanup of the contamination while awaiting the issuance of a hazardous waste treatment license." This example fits the situation at Tecumseh.

The Department wants to encourage and promote, when possible, in-state and on-site management of hazardous waste in Wisconsin. The Department believes that every effort should be made to limit the out-of-state shipment of hazardous waste for treatment or disposal.

There are a limited number of licensed facilities capable of treating and disposing of soils classified as a hazardous waste. The variance for on-site storage and treatment will allow for a more efficient method for treating these soils at Tecumseh.

If followed through as proposed, the type of storage and treatment that is being proposed

here can be accomplished in a safe and efficient manner. The Department has made the determination that compliance with the applicable license requirements would cause undue and unreasonable hardship, and that the variance would not result in undue harm to human health and the environment.

FINDINGS OF FACT

Based on the Department's review of the information submitted, the Department finds that:

1. On July 26, 2000 Key Engineering Group LTD., submitted a Remedial Action Work Plan on behalf of Tecumseh to clean-up contaminated soils in three areas at Tecumseh in Grafton, Wisconsin.
2. In a letter to Tecumseh dated July 31, 2000 the Department approved the proposed remedial action plan for the east parking lot area from Key Engineering Group Ltd., dated July 26, 2000.
3. On December 7, 2000 Tecumseh submitted a project status report and a request for a 30-day extension to the 90-day large quantity generator hazardous waste generator storage period.
4. In a letter to Tecumseh dated December 22, 2000 the Department approved a 30-day extension to the 90-day large quantity hazardous waste generator storage period.
5. On December 21, 2000, Tecumseh submitted a request for a variance from the hazardous waste treatment and storage tank licensing requirements. The \$1,200.00 fee for review of a variance report was submitted on _____.
6. On January 12, 2001 the Department submitted a notice of incompleteness to Tecumseh in response to Tecumseh's December 21, 2000 request for a variance.
7. A draft variance approval and cover letter were sent to Tecumseh on _____. Comments were received on the draft approval from Tecumseh on _____.
8. On _____, Tecumseh submitted the variance license fee of \$2,400.00.
9. The variance for the operation of these hazardous waste storage and treatment tanks will not result in undue harm to human health and the environment and compliance with the applicable license requirements would cause undue and unreasonable hardship.
10. The conditions set forth below are necessary to ensure compliance with chs. NR 600 through 685, Wis. Adm. Code. If the conditions are complied with, Tecumseh should be able to operate in compliance with chs. NR 600 through 685, Wis. Adm. Code.

CONCLUSIONS OF LAW

1. Under s. 291.31, Wis. Stats., and s. NR 680.50, Wis. Adm. Code, the Department has authority to issue a variance from the requirements of ch. 291, Wis. Stats., and chs. 600 through 685, Wis. Adm. Code, if it determines that application for or compliance with any license required under ch. 291, Wis. Stats., would cause undue or unreasonable hardship to any person, provided the variance does not result in undue harm to human health and the environment.
2. The Department has authority to issue a conditional variance, if the conditions are needed to ensure compliance with chs. NR 600 through 685, Wis. Adm. Code.
3. Under s. NR 680.50(1)(d), Wis. Adm. Code, the Department has the authority to revoke the variance at any time if it is determined that revocation is appropriate to protect human health and the environment.

DETERMINATION AND CONDITIONS

Based on the above findings, the Department hereby grants Tecumseh a variance under s. 291.31, Wisconsin Statutes, and s. NR 680.50, Wis. Adm. Code, from the requirement to obtain an operating license under chs. NR 600 through 685, Wis. Adm. Code, for tank storage and treatment of hazardous waste for a period of 6 months. This variance is granted until 6 months from the date of issuance of the variance.

1. Tecumseh shall operate the hazardous waste storage and treatment tanks in accordance with the December 21, 2000, request for a variance, the July 26, 2000, Remedial Action Work Plan, the July 31, 2000, Remedial Action Plan Approval, and the applicable sections of chs. NR 600 through 685, Wis. Adm. Code.
2. The Department is issuing this variance to Tecumseh for a period of 6 months from the date of this approval, _____.
3. Tecumseh shall maintain the containment integrity of the storage and treatment unit.
4. Tecumseh shall cover the storage and treatment tanks when not treating the soils and during precipitation events. Tecumseh shall maintain the integrity of the cover.
5. For any submittal regarding a variance, Tecumseh shall provide a certification statement from the authorized representative of the facility as well as a certification statement from a registered professional engineer. Section NR 680.05(1)(c) and (2), Wis. Adm. Code. *

6. This variance covers only the soils currently in place in the treatment tanks.
7. Tecumseh shall at all times maintain in good working order and operate efficiently all systems of control and related appurtenances for the operation. Proper operation and maintenance includes, but is not limited to, effective performance, adequate funding, effective management, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures.
8. Tecumseh shall notify the Department prior to beginning operation of the hazardous waste treatment tanks to allow the Department the opportunity to inspect, in accordance with s. NR 680.09, Wisconsin Administrative Code.
9. Tecumseh shall notify the Department of any plans to change the treatment operation.
10. Tecumseh shall keep documentation and notify the Department if or when it is necessary to ship or discharge excess precipitation collected in tank containment.
11. Tecumseh shall inform the Department when treatment of the soil is completed and submit to the Department a report with test results confirming that the contamination levels in the soils are below the agreed upon site specific soil cleanup level.
12. Tecumseh shall maintain security at the site as required by s. NR 630.14(2)(b)1., s. NR 630.14(2)(b)2., and s. NR 630.14(3), Wis. Adm. Code.
13. Tecumseh shall perform inspections and maintain a written inspection log as required and described in s. NR 630.15(2), Wis. Adm. Code, and s. NR 645.11, Wis. Adm. Code.
14. Tecumseh shall submit a closure plan as required by s. NR 680.50(2)(d)1., (which refers to s. NR 645.06, which refers to s. NR 640.16 and s. NR 685.05), Wis. Adm. Code.
15. Tecumseh shall provide the Department with proof of financial responsibility, which meets the closure requirements of s. NR 685.07(1)(a), Wis. Adm. Code, within 1 year of the date of this approval.
16. Tecumseh shall provide the Department with proof of meeting the liability insurance requirements of s. NR 685.08, Wis. Adm. Code, within 1 year of the date of this approval.

Any requested modifications to this determination must include appropriate documentation to justify a change in the determination. The Department will evaluate the request and respond in writing within 65 business days of its receipt. The requested modifications may not be implemented until a favorable response is received from the Department.

The Department reserves the right to require changes to this determination should conditions arise making it necessary. The granting of this variance does not relieve Tecumseh of the legal obligation to meet all other state, federal and local permit, zoning, and regulatory requirements.

Pursuant to s. 291.31, Wis. Stats., this variance may be renewed or extended only after the opportunity for a public hearing on each variance renewal or extension. The Department at any time may revoke this variance, if the Department determines that the conditions stated above are not complied with or if revocation is appropriate to protect human health and the environment.

NOTICE OF APPEAL RIGHTS

If you believe you have the right to challenge this decision, you should know that Wisconsin Statutes and administrative rules establish time periods within which requests to review Department decisions must be filed.

For judiciary review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

If you have any questions or comments on this variance please call Tim Kennedy at 414/229-0858.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Dated:

Department of Natural Resources
For the Secretary

Franklin C. Schultz
Waste Management Team Supervisor
Southeast Region

Tim Kennedy

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: **TECUMSEH - GRAFTON**
 Project ID: **# 1007010**

Project Manager: **CURT HOFFART**
 Company: **KEY ENGINEERING**
 Address: **466 N215 COMMERCE**
 City/State/Zip: **CEONA WISCONSIN**
 Phone: **262-325-4750** Fax: **262-325-4750**

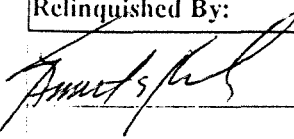
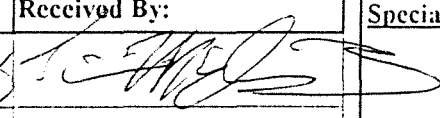
Samples received "On Ice" Temperature: C Sample intact/not leaking

- A. HCl
 - B. HNO3
 - C. NaOH
 - D. H2SO4
 - E. Methanol
 - F. Filtered
 - G. None
 - H. Others
- 100 Preservation / Filtration Cod

Test Required	Matrix																
01 TCE/TRA (ECD)	SOIL	X	X	X	X	X	X	X	X	X	X						
02 TCE/TRA (GL/MS)	SOIL																
03 % SOLIDS																	
04																	
05																	
06																	
07																	
08																	
09																	
10																	
11																	
12																	
13																	
14																	
15																	

Additional Information:

Collection Time	Collection Date	Sample ID	Lab ID	COC#
11:00 AM	9/27/01	ST-11B-1	25989	20010767
11:05		ST-11B-2	25990	
11:10		ST-11B-3	25991	
11:15		ST-11B-4	25992	
11:20		ST-11B-5	25993	
11:45		NT-9A-1	25994	
11:50		NT-9A-2	75995	
11:55		NT-9A-3	25996	
12:00 PM		NT-9A-4	25997	
12:05		NT-9A-5	25998	

Relinquished By: 	Date/Time: 9.27.01 11:28	Received By: 	Special Instructions:
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8222 W. Calumet Rd., Milwaukee, WI 53223
 Phone: (414) 355-5800 Fax: (414) 355-3099

Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010767
 DATE REPORTED: 28-Sep-01
 DATE RECEIVED: 27-Sep-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25989									
Client ID: ST-11B-1									
QC Prep Batch Number: 998473									
Collection: 9/27/2001 Time: 11:00									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Sample Number: 25990									
Client ID: ST-11B-2									
QC Prep Batch Number: 998473									
Collection: 9/27/2001 Time: 11:05									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Sample Number: 25991									
Client ID: ST-11B-3									
QC Prep Batch Number: 998473									
Collection: 9/27/2001 Time: 11:10									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Sample Number: 25992									
Client ID: ST-11B-4									
QC Prep Batch Number: 998473									
Collection: 9/27/2001 Time: 11:15									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Sample Number: 25993									
Client ID: ST-11B-5									
QC Prep Batch Number: 998473									
Collection: 9/27/2001 Time: 11:20									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Sample Number: 25994									
Client ID: NT-9A-1									
QC Prep Batch Number: 998473									
Collection: 9/27/2001 Time: 13:20									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Sample Number: 25995									
Client ID: NT-9A-2									
QC Prep Batch Number: 998473									
Collection: 9/27/2001 Time: 11:50									
Sample Description:									
1,1,1-Trichloroethane	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001
Trichloroethene	< 0.03	ug/kg	0.03	0.08	1	8082	QH		/ 9/27/2001



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010767
 DATE REPORTED: 28-Sep-01
 DATE RECEIVED: 27-Sep-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25996									
			QC Prep Batch Number: 998473		Collection: 9/27/2001			Time: 11:55	
Client ID: NT-9A-3									
Sample Description:									
1,1,1-Trichloroethane	<0.03	ug/kg	0.03	0.08	1		8082	QH	/ 9/27/2001
Trichloroethene	<0.03	ug/kg	0.03	0.08	1		8082	QH	/ 9/27/2001
Sample Number: 25997									
			QC Prep Batch Number: 998473		Collection: 9/27/2001			Time: 12:00	
Client ID: NT-9A-4									
Sample Description:									
1,1,1-Trichloroethane	<0.03	ug/kg	0.03	0.08	1		8082	QH	/ 9/27/2001
Trichloroethene	<0.03	ug/kg	0.03	0.08	1		8082	QH	/ 9/27/2001
Sample Number: 25998									
			QC Prep Batch Number: 998473		Collection: 9/27/2001			Time: 12:05	
Client ID: NT-9A-5									
Sample Description:									
1,1,1-Trichloroethane	<0.03	ug/kg	0.03	0.08	1		8082	QH	/ 9/27/2001
Trichloroethene	<0.03	ug/kg	0.03	0.08	1		8082	QH	/ 9/27/2001

Approved By: James Chang Date: 9/28/01
 James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
 LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
 LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
 PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
 RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
 Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
 DNR Analytical Detection Limit Guidance, April 1995.



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Curt Hoffart
 Key Engineering Group, LTD.
 W66 N215 Commerce Court
 Cedarburg, WI 53012

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010767
 DATE REPORTED: 02-Jan-02
 DATE RECEIVED: 27-Sep-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25989									
Client ID: ST-11B-1									
QC Prep Batch Number: 998500									
% Solid = 89.6 %									
Collection: 9/27/2001 Time: 11:00									
Sample Description:									
1,1,1-Trichloroethane	< 17	ug/kg	17	56	1	8260	qh		10/1/2001 / 10/1/2001
Trichloroethene	< 19	ug/kg	19	61	1	8260	qh		10/1/2001 / 10/1/2001
Sample Number: 25990									
Client ID: ST-11B-2									
QC Prep Batch Number: 998500									
% Solid = 88.2 %									
Collection: 9/27/2001 Time: 11:05									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	56	1	8260	qh		10/1/2001 / 10/1/2001
Trichloroethene	< 20	ug/kg	20	62	1	8260	qh		10/1/2001 / 10/1/2001
Sample Number: 25991									
Client ID: ST-11B-3									
QC Prep Batch Number: 998500									
% Solid = 87.8 %									
Collection: 9/27/2001 Time: 11:10									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1	8260	qh		10/1/2001 / 10/1/2001
Trichloroethene	< 20	ug/kg	20	63	1	8260	qh		10/1/2001 / 10/1/2001
Sample Number: 25992									
Client ID: ST-11B-4									
QC Prep Batch Number: 998500									
% Solid = 86.4 %									
Collection: 9/27/2001 Time: 11:15									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	58	1	8260	qh		10/1/2001 / 10/1/2001
Trichloroethene	< 20	ug/kg	20	64	1	8260	qh		10/1/2001 / 10/1/2001
Sample Number: 25993									
Client ID: ST-11B-5									
QC Prep Batch Number: 998500									
% Solid = 87.5 %									
Collection: 9/27/2001 Time: 11:20									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1	8260	qh		10/1/2001 / 10/1/2001
Trichloroethene	< 20	ug/kg	20	63	1	8260	qh		10/1/2001 / 10/1/2001
Sample Number: 25994									
Client ID: NT-9A-1									
QC Prep Batch Number: 998500									
% Solid = 84.2 %									
Collection: 9/27/2001 Time: 13:20									
Sample Description:									
1,1,1-Trichloroethane	< 19	ug/kg	19	59	1	8260	qh		10/1/2001 / 10/1/2001
Trichloroethene	< 20	ug/kg	20	65	1	8260	qh		10/1/2001 / 10/1/2001
Sample Number: 25995									
Client ID: NT-9A-2									
QC Prep Batch Number: 998500									
% Solid = 86.8 %									
Collection: 9/27/2001 Time: 11:50									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1	8260	qh		10/1/2001 / 10/1/2001
Trichloroethene	< 20	ug/kg	20	63	1	8260	qh		10/1/2001 / 10/1/2001



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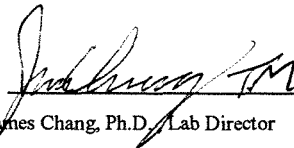
Curt Hoffart
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010767
 DATE REPORTED: 02-Jan-02
 DATE RECEIVED: 27-Sep-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: 1007010
 PROJECT NAME: Tecumseh-Graft

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25996									
Client ID: NT-9A-3									
QC Prep Batch Number: 998500									
Collection: 9/27/2001 Time: 11:55									
% Solid = 88.3 %									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	56	1		8260	qh	10/1/2001 / 10/1/2001
Trichloroethene	< 20	ug/kg	20	62	1		8260	qh	10/1/2001 / 10/1/2001
Sample Number: 25997									
Client ID: NT-9A-4									
QC Prep Batch Number: 998500									
Collection: 9/27/2001 Time: 12:00									
% Solid = 87.1 %									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1		8260	qh	10/1/2001 / 10/1/2001
Trichloroethene	< 20	ug/kg	20	63	1		8260	qh	10/1/2001 / 10/1/2001
Sample Number: 25998									
Client ID: NT-9A-5									
QC Prep Batch Number: 998500									
Collection: 9/27/2001 Time: 12:05									
% Solid = 87.2 %									
Sample Description:									
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1		8260	qh	10/1/2001 / 10/1/2001
Trichloroethene	< 20	ug/kg	20	63	1		8260	qh	10/1/2001 / 10/1/2001

Approved By:  Date: 11/21/02
 James Chang, Ph.D. / Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.