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A Tyco International Ltd. Company

200 Indiana Avenue P 715.341.8110
Stevens Point, WI 54481 F 715.341.7390
www.earthtech.com

November 15, 2005

Tom Kendzierski
Wisconsin Department of Natural Resources
1300 West Clairemont Avenue
Eau Claire, WI 54702

Subject: **Interim Report**
Phase 1 - Initial Investigation
Petroleum Contamination Investigation
Chili, Wisconsin
DNR BRRTS No. 02-10-517968
Earth Tech Project No. 82060

Dear Mr. Kendzierski:

Earth Tech, Inc., is pleased to submit this interim report documenting the results of the first phase of the Petroleum Contamination Investigation in Chili, Wisconsin. The first phase (Phase 1 - Initial Investigation) included completion of two sub-phases. The first sub-phase involved the installation, development, and sampling of four temporary monitoring wells. The second sub-phase involved the installation and development of six permanent monitoring wells and the conversion of the temporary monitoring wells to permanent wells. Groundwater samples were collected from the temporary wells shortly after installation and from all ten site wells on two occasions, approximately one month apart. Additionally, potable water samples were collected from the Krueger and Strey residences and the Chili Service garage. A site location map is provided as Figure 1.

BACKGROUND INFORMATION

In response to petroleum contamination detected above NR 140 Enforcement Standards (ES) in the Krueger residence potable well, a contaminant source inventory (CSI) was conducted by Earth Tech in January, 2004. The CSI study area generally extended approximately $\frac{1}{4}$ mile from the intersection of County Trunk Highway (CTH) Y and Chili Road. Earth Tech's CSI report, dated February 2004, indicated that four sites had a moderate to high probability of contributing to the contamination detected in the Krueger potable well.

OBJECTIVE

The overall objective of the Petroleum Contamination Investigation is to gather sufficient subsurface information to assess permanent potable water supply well replacement options for the Krueger residence and to confirm the source or sources of contamination that may have contributed to contamination of the Krueger well. The objective of the first sub-phase was to determine the direction of groundwater flow and to obtain preliminary soil and groundwater quality data to assist in identifying the source or sources of contamination. The objective of the second sub-phase was to investigate for the presence of soil and groundwater contamination

downgradient of the four potential sources, to investigate soil and groundwater conditions at upgradient locations, and to assess vertical gradients and investigate for groundwater contamination at depth.

FIRST SUB-PHASE FIELD ACTIVITIES

On January 18 and 19, 2005, Earth Tech and Boart Longyear, Schofield, Wisconsin, advanced four borings (TW-1 through TW-4) around the perimeter of the block bordered by County Highway (CTH) Y, Chili Road, Linden Street, and South Street. The borings were advanced using a truck-mounted, hollow stem drilling rig.

Soil samples were collected continuously at 2-foot intervals for analysis and classification. The soil samples were field screened for volatile organic vapors with a photoionization detector (PID) using the headspace method. The PID was calibrated daily before sampling was conducted. PID readings were recorded on the enclosed Boring Logs. Soil cuttings were containerized in USDOT approved 55-gallon steel barrels and temporarily stored on the Fremont Township baseball field property. Boring locations, temporary monitoring wells, and site features are depicted on Figure 2.

Subsurface materials encountered within the borings generally consisted of firm, yellowish brown to reddish brown, silty clay with traces of sand and small gravel to approximately 10 to 16 feet below ground surface (bgs). The silty clay overlay yellowish to light tan sandstone to the terminus of the borings. Air rotary drilling was not required. It was reported on Potable Well Construction Records presented in the CSI that the sandstone extended approximately 40 to 50 feet bgs and overlay granite. Visual observations of sandstone outcroppings along CTH Y, south Chili, suggest that the sandstone is very dense (nearly quartzite) and is extensively fractured horizontally and vertically. Reddish staining, likely precipitated iron, was observed on fracture faces of the outcroppings.

One soil sample from each boring was collected for laboratory analysis of volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs). The samples were collected from either the depth interval having the highest PID reading, and/or at the water table interface, and/or at the bedrock interface. Soil sample analytical results are summarized in Table 1.

Temporary monitoring wells were constructed in each of the borings using 2-inch inside diameter (I.D.), Schedule 40 polyvinyl chloride (PVC) screens (15 feet long, 0.010-inch slots) and casing fitted with keyed-alike locking caps, completed with temporary flush-mount surface covers. The temporary monitoring wells were developed during well construction. Development water was containerized in USDOT approved 55-gallon steel barrels and temporarily stored with the soil cuttings barrels, pending future disposal. Monitoring well construction and development forms are enclosed.

After construction, the top of casing (TOC) elevations were surveyed relative to a benchmark established on site. Groundwater elevations calculated during the first sampling event were plotted on a site map to determine the direction of groundwater flow. The calculated water table elevation was essentially flat with no discernable flow direction.

Groundwater samples were collected from the temporary monitoring wells on January 27, 2005, after well construction and development. The samples were analyzed for VOCs. Monitoring well purge water was containerized in the development water drums. Groundwater sample analytical results are summarized in Table 2.

SECOND SUB-PHASE FIELD ACTIVITIES

The owners and/or occupants of the Krueger, Strey, and Dariconcepts properties, as well as Chili Service and the Wolfe property were notified of the additional well installations and gave permission to locate monitoring wells on their properties. Additionally, on April 21, 2005, permission was granted from the property owner (Ronnie) south of Chili Service, to locate MW-9 on his property.

On April 20 and 21, 2005, Earth Tech and Boart Longyear, advanced six borings (MW-5 through MW-9 and PZ-7) within or apparently downgradient of known or suspected soil and/or groundwater contamination. Additionally, the temporary monitoring wells were converted to permanent installation by cementing the flush-mount protective covers and renaming the wells MW-1 through MW-4. The water table well borings were advanced using a truck-mounted, hollow stem drilling rig. The piezometer was completed using a pneumatic, down-hole hammer.

Soil samples were collected continuously at 2-foot intervals for analysis and classification. The soil samples were field screened for volatile organic vapors with a PID using the headspace method. The PID was calibrated daily before sampling was conducted. PID readings were recorded on the enclosed Boring Logs. Soil cuttings were containerized in USDOT approved 55-gallon steel barrels and temporarily stored on the Fremont Township baseball field property, pending future disposal. Boring locations and monitoring wells are depicted on Figure 2.

Subsurface materials encountered within the borings were similar to materials identified within the first sub-phase borings.

One soil sample from each boring was collected for laboratory analysis of VOCs and PAHs. Sample collection protocol was the same as previously described for Borings TW-1 through TW-4. Soil sample analytical results are summarized in Table 1.

Monitoring wells were constructed in each of the borings using PVC casing, factory cut screens, locks, and protective covers, similar to those previously described for construction of the temporary monitoring wells. Ten-foot long screens were installed in the water table wells and a 5-foot long screen was installed in the piezometer. The monitoring wells and piezometer were developed by Javco, Inc., Green Bay, Wisconsin, on April 29, 2005, using a truck-mounted vacuum pump and tank. Development water from Monitoring Wells MW-5 through MW-9, PZ-7, and the drummed development/purge water was disposed of at the Green Bay Metropolitan Wastewater Treatment Plant. Monitoring Well Construction and Development Forms are enclosed.

On June 14 and 15, 2005, Earth Tech conducted a topographic survey of the investigation area and surveyed elevation and location of each monitoring well. All survey points were made

relative to the state plane coordinate system. Monitoring well TOC elevations, well construction data, and water level elevations are summarized in Table 3.

Groundwater samples were collected from Monitoring Wells MW-1 through MW-9 and PZ-7 on June 21 and July 21, 2005, and analyzed for VOCs. A groundwater sample was not collected from MW-4 on July 21, 2005, due to the presence of free product (weathered gasoline). Monitoring well purge water was disposed of at the Rib Mountain Metropolitan Wastewater Treatment Plant. Groundwater sample analytical results are summarized in Table 2.

On June 3 and July 7, 2005, 16, 55-gallon steel drums containing soil cuttings were transported by SGS Environmental Contracting, Merrill, Wisconsin, to the Lincoln County Landfill for disposal. Soil disposal documentation is enclosed.

Groundwater samples were collected from the Krueger, Strey, and Chili Service potable wells on June 15, 2005. The Krueger sample was collected from a hose in the garage, the only water device still connected to the potable well. The Strey sample was collected from the residence kitchen sink faucet, after Mr. Strey bypassed the water softener, and the Chili Service sample was collected from the bathroom sink faucet. All samples were collected after allowing the water to run for a sufficient time, to assure that collected samples were representative of the aquifer. Potable well sample analytical results are summarized in Table 4.

ANALYTICAL RESULTS

Soil

No VOCs or PAHs were detected in soil samples collected from Monitoring Well Borings MW-1 through MW-4 and MW-7. No VOCs and some mostly low level PAHs were detected in soil samples collected from Monitoring Well Borings MW-6 and MW-9. The only PAH compound that exceeded a residual contaminant level (RCL) was benzo(a)pyrene which was detected in the soil sample collected from MW-9 at a concentration of 0.00919 mg/kg. The DNR suggested generic RCL for benzo(a)pyrene at non-industrial sites is 0.0088 mg/kg.

Low level VOCs and PAHs were detected at concentrations below RCLs in the soil sample collected from MW-5. NR 720 RCL exceedence for benzene, ethylbenzene, toluene, and total xylenes, and NR 746 Soil Screening Level (SSL) exceedences for ethylbenzene, 1,3,5-trimethylbenzene, naphthalene, and total xylenes were detected in the soil sample collected from MW-8. Soil sample analytical results are summarized in Table 1. Laboratory analytical reports are enclosed.

Groundwater - Monitoring Wells

No VOCs were detected in groundwater samples collected from MW-2, MW-3, MW-6, PZ-7 and MW-9 during any groundwater sampling event.

NR 140 Preventative Action Limit (PAL) exceedences for benzene (MW-1 and MW-7), chloromethane (MW-1), 1,2-dichloroethane (1,2-DCA) (MW-7), ethylbenzene (MW-4 and MW-8), naphthalene (MW-4 and MW-5), toluene (MW-4 and MW-8), trimethylbenzenes (MW-4), and total xylenes (MW-4 and MW-8) were detected in groundwater samples collected from monitoring wells during the investigation.

NR 140 ES exceedences for benzene (MW-4, MW-5, and MW-8), 1,2-DCA (MW-5 and MW-8), naphthalene (MW-8), toluene (MW-4), and trimethylbenzenes (MW-8) were detected in groundwater samples collected from monitoring wells during the investigation. Groundwater sample analytical results are summarized in Table 2. Laboratory analytical reports are enclosed.

2.6 feet of weathered gasoline free product were identified in Monitoring Well MW-4 during the July 21, 2005, sampling event. A groundwater sample was not collected from MW-4 at that time.

Groundwater - Potable Wells

The property owners collected a groundwater sample from the Krueger potable well on November 10, 2003. DNR collected groundwater samples from the Krueger, Strey, and Chili Service potable wells on December 10, 2003. Earth Tech collected groundwater samples from the three wells on June 15, 2005.

NR 140 PAL exceedences for benzene (Strey well), chloromethane (Krueger, Strey, and Chili Service wells), and 1,2-DCA (Krueger well) were detected in groundwater samples collected from the potable wells.

NR 140 ES exceedences for benzene and 1,2-dibromoethane (EDB) were detected in groundwater samples collected from the Krueger well. Potable well sample analytical results are summarized in Table 4. Laboratory analytical reports are enclosed.

HYDROGEOLOGY

Water table elevation contour maps were generated from water table elevation data collected on June 21 and July 21, 2005, and are presented as Figures 3 and 4, respectively.

The water table at the site is generally flat with relatively small head differentials between the monitoring wells located across the 6.5-acre site. During the June monitoring event, the total head differential for all monitoring wells was 0.85 feet, with a head differential between the majority of monitoring wells across the site being 0.24 feet. During the July event, the total head differential was 0.68 feet for all monitoring wells, with a head differential between a majority of the wells across the site being 0.38 feet or less. A slight east to southeast trend in groundwater flow was inferred across the site with minimal groundwater flow velocities. Based on site conditions, it is believed that the majority of groundwater flow is caused by removal of water from the aquifer by pumping.

Residents report that groundwater in the area appears to have elevated concentrations of dissolved iron, manganese, and sulfur. Strong iron and sulfide odors were observed in potable

water pumped from the supply wells, and reddish (iron) and black (manganese) staining was observed at plumbing fixtures serviced by the potable water supply wells. The apparent elevated concentrations of dissolved minerals may be indicative of the aquifer water having a long residence time. Long groundwater residence times allow equilibrium processes which control the dissolution of minerals into solution to come to completion. Aquifers with long residence times are often considered to be stagnant aquifers due to the minimal amount of water providing horizontal and vertical recharge to the aquifer.

Vertical hydraulic gradients were observed between Monitoring Well MW-7 and Piezometer PZ-7. Downward vertical gradients of 0.1096 ft/ft and 0.0788 ft/ft were observed between MW-7 and PZ-7 during the June and July 2000 monitoring events, respectively. Vertical hydraulic gradient calculations are enclosed. Groundwater may be flowing downward, then laterally in likely weathered granitic fracture zones, thus acting as a "drain" to the sandstone aquifer. It should be noted that the water table elevation dropped an average of 1.3 to 1.6 feet during the one month interval between sampling events. The elevation reduction was relatively consistent across the site.

Groundwater flow direction in the vicinity of the investigation area is likely influenced by stresses placed upon the sandstone aquifer by private well pumping. For the purpose of estimating aquifer parameters, it is assumed that the fractured sandstone aquifer responds as if it was unconsolidated, relatively homogeneous, isotropic, and can be characterized as a leaky-confined aquifer.

Rising and falling head slug tests were performed in Monitoring Wells MW-3 and MW-9 on June 22, 2005. Test results were analyzed using the Bower-Rice method with AQTESOLV for Windows. The estimated hydraulic conductivity (K) for MW-3 was 2.883 E^{-3} centimeters per second (cm/sec) or 61.18 gallons per day per square foot (GPD/ft²). The estimated hydraulic conductivity (K) for MW-9 was 1.385 E^{-3} cm/sec or 29.36 GPD/ft². Hydraulic conductivity conversion calculations are enclosed. It should be noted that MW-3 and MW-9 intersect the top of the fractured bedrock zone approximately 7 lineal feet and 6.8 lineal feet, respectively, and likely do not represent hydrogeologic conditions deeper in the aquifer. AQTESOLV calculation sheets for MW-3 and MW-9 are enclosed.

In order to estimate the hydraulic conductivity of the sandstone aquifer in the vicinity of the Krueger and Chili Service potable wells, and subsequently the effective radius (R_E), or cone of depression, of each well, the Specific Capacity (S_{CAP}) for each well was calculated using the pump test data found on Well Construction Records. S_{CAP} is a numeric expression of the amount of groundwater that is readily available to be pumped from the well, and generally represents greater or lesser degrees of hydraulic conductivity. Relevant well construction records are enclosed.

S_{CAP} is derived by dividing the discharge, in gallons per minute (GPM) noted during the pump test, by the drawdown of the water column in the well, in feet, from the start to the end of the test. It is assumed that continued pumping would not cause the water level in the well to drop further (i.e. steady state conditions). The S_{CAP} calculated for the Krueger well was 10.0 GPM/ft and the S_{CAP} calculated for the Chili Service well was 1.15 GPM/ft. Additionally, a S_{CAP} value of

5.0 GPM/ft was calculated for the Dariconcepts factory well that was constructed in 1971. S_{CAP} calculations are presented in Table 5.

The difference in the calculated S_{CAP} values likely represents the differences in the size and/or density of the horizontal and vertical fractures in the vicinity of the wells. The Krueger and Chili Service wells (S_{CAP} values of 10.0 GPM/ft and 1.15 GPM/ft, respectively) both obtain groundwater from fractured sandstone, from approximately 30 ft to 40 ft bgs. The 1971 Dariconcepts well (S_{CAP} value of 5.0 GPM/ft) obtains groundwater from granite, from approximately 55 ft to 80 ft bgs, indicating that both the sandstone and the near-surface granite are significantly fractured.

S_{CAP} values for additional surrounding properties were calculated from Well Construction records and are presented on Figure 5. As indicated on Figure 5, an apparent area of greater hydraulic conductivity is located in the northern portion of Chili and extends southeastward toward Dariconcepts and the Krueger residence. It should be noted, however, that with a lack of an appreciable lateral hydraulic gradient, there can be very little horizontal groundwater flow.

In an effort to estimate the potential impact that private potable well pumping has on the site area, the Krueger and Chili Service S_{CAP} values were used to derive transmissivity (T) values, and thus, K values for the aquifer in the vicinity of the two wells. K values and aquifer characteristics observed and implied were then used to calculate R_E distances for the two wells at steady state conditions and pumping rates observed during the well construction pump test. The R_E distances for the Krueger and Chili Service wells were calculated to be 267 feet and 129 feet, respectively. Additionally, a R_E of 210 feet was calculated for the Dariconcepts 1971 well to facilitate creating a graph relating S_{CAP} to R_E . R_E values for other properties were derived using the graph. Generic and site specific calculations and the S_{CAP} vs. R_E graph are enclosed. R_E zones are depicted on Figure 6.

It should be noted that the R_E areas depicted on Figure 6 illustrate the maximum R_E when pumping at volumes between 10 to 40 GPM for relatively long periods of time (i.e. steady state conditions). Actual R_E zones would be much smaller, because normal pump withdrawals would be much less than withdrawals necessary to achieve steady-state conditions, and would depend on such variables as; the number and ages of people in the residence, the time of year (summer watering), recreational uses (swimming pools), and the presence or absence of water conservation devices.

CONCLUSIONS

The following is concluded from field and laboratory analyses performed during the first phases of the Petroleum Contamination Investigation in Chili, Wisconsin:

1. Subsurface materials consist of low-permeability sandy, silty clay from ground surface to approximately 10 to 16-feet bgs. Fractured sandstone bedrock of varying permeability extends from beneath the clay to approximately 40 to 50 feet bgs. Granitic bedrock extends beneath the sandstone. Limited evidence from Well Constructor Records indicates that the upper portion of the granite may be moderately permeable.

2. Soil and groundwater samples collected during sub-phases 1 and 2, confirmed three sources of petroleum contamination; 1) the former USTs located near the southwest corner of the Dariconcepts property; 2) reported USTs in the area directly west of the Wolfe property garage; and 3) the former UST location between the Strey property and the Chili Service garage.
3. NR 140 ES exceedences for benzene, 1,2-DCA, naphthalene, toluene, and trimethylbenzenes were detected in groundwater samples collected from monitoring wells within and directly downgradient of the identified sources.
4. Chloromethane was detected at concentrations above NR 140 PALs in the three potable wells sampled and in the July 21, 2005, groundwater sample collected from MW-1. As reported by the laboratory, chloromethane is used as a solvent during soil analyses and may be a laboratory cross-contaminant. Additionally, it was reported that chlorine disinfection of private potable wells may produce chloromethane when chlorine reacts with traces of organic constituents near the well screen and formation. Research indicated that chloromethane also is a by-product of combustion of wood, organic material, and especially plastics and PVC plastic. It is usually found as gas but it is highly soluble in water. It is believed that the chloromethane detects in the potable wells are likely the result of well chlorination/disinfection and/or precipitation leaching contaminants from the ashes of refuse burn barrels. One burn barrel was observed in the vicinity of MW-9 and there were likely more barrels present, historically.
5. Free product was observed in Monitoring Well MW-4, which is adjacent to the southwest corner of the Dariconcepts property, during the July 2005 groundwater monitoring event. There was no free product observed and only relatively low to moderate groundwater contamination detected during the June 2005 monitoring event. The free product likely originated from the former USTs on the southwest corner of the Dariconcepts property, identified by the CSI.
6. Residents reported that groundwater in the area had high concentrations of dissolved iron, manganese, and sulfur. Strong iron and sulfic odors were observed, and reddish (iron) and black (manganese) staining was observed at plumbing fixtures serviced by the potable water supply wells. The apparent elevated concentrations of dissolved minerals may be indicative of long residence times for aquifer water. Long groundwater residence times encourage the dissolution of minerals into solution, indicating a stagnant aquifer.
7. Groundwater elevations measured in June and July 2005 indicated that the water table in the vicinity of the investigation area is nearly flat, thus generating negligible hydraulic gradient to drive groundwater flow laterally. A possible slight east or southeast flow trend was inferred. Groundwater flow direction determination was inconclusive using groundwater elevation data obtained during the investigation to date.
8. A downward vertical gradient was observed between Monitoring Well MW-7 and Piezometer PZ-7. It appears that the downward gradient may be the result of

groundwater flowing downward, then laterally in likely weathered granitic fracture zones, thus acting as a "drain" to the sandstone aquifer.

9. Mathematical analysis of groundwater pumping data recorded on Well Construction Records (specific capacity) indicated an apparent area of greater hydraulic conductivity, located in the northern portion of Chili and extending southeastward toward Dariconcepts and the Krueger residence.
10. Private potable well pumping likely has a significant effect on horizontal groundwater movement within the investigation area. Hydraulic stress, due to water withdrawal within the effective radius would tend to influence groundwater (and contaminate) flow in the vicinity of potable wells, especially in the absence of significant natural flow.

RECOMMENDATIONS

Earth Tech recommends the following be completed to further assist in evaluating permanent potable water supply well replacement options for the Krueger residence:

1. Perform a soil gas survey in the vicinity of known contaminant sources and impacted monitoring wells to determine contaminant contributions from each source and to infer groundwater flow direction(s).
2. Collect groundwater samples from Monitoring Well MW-7 and PZ-7 for water quality analysis. The analytes may include: total suspended solids (TSS), total dissolved solids (TDS), dissolved iron and manganese, and specific gravity.
3. Using data derived from the soil gas survey, identify a monitoring well location in the vicinity of the Krueger property that is significantly outside the detected groundwater contaminant plume.
4. Install a monitoring well at the above identified location. The monitoring well should be constructed as a piezometer with the screened portion between approximately 30 to 40 feet bgs, to mimic the construction of the current Krueger potable well.
5. Perform a limited scope pump test, using the Krueger potable well as the pumping well. Monitoring Wells MW-3, MW-7, MW-9, MW-8, MW-4, PZ-7, and the new piezometer may be used as observation points. The purpose of the pump test is to determine the hydraulic connectedness between the new well and the contaminated Krueger well. A mobile water treatment system may be used to decontaminate discharge water generated during the pump test.
6. Utilize the results of the soil gas and pump tests to determine a suitable location for replacement of the Krueger residence potable water supply well.

7. Collect a groundwater sample from the existing Krueger potable well for laboratory analysis to determine contaminant concentration trends, relative to the cessation of pumping.

Earth Tech appreciates the opportunity to assist the DNR with this project. If you have any questions, please contact me at (715) 342-3037 or David Senfelds at (715) 342-3039.

Sincerely,

Earth Tech, Inc.



Phil J. Eagan
Hydrogeologist



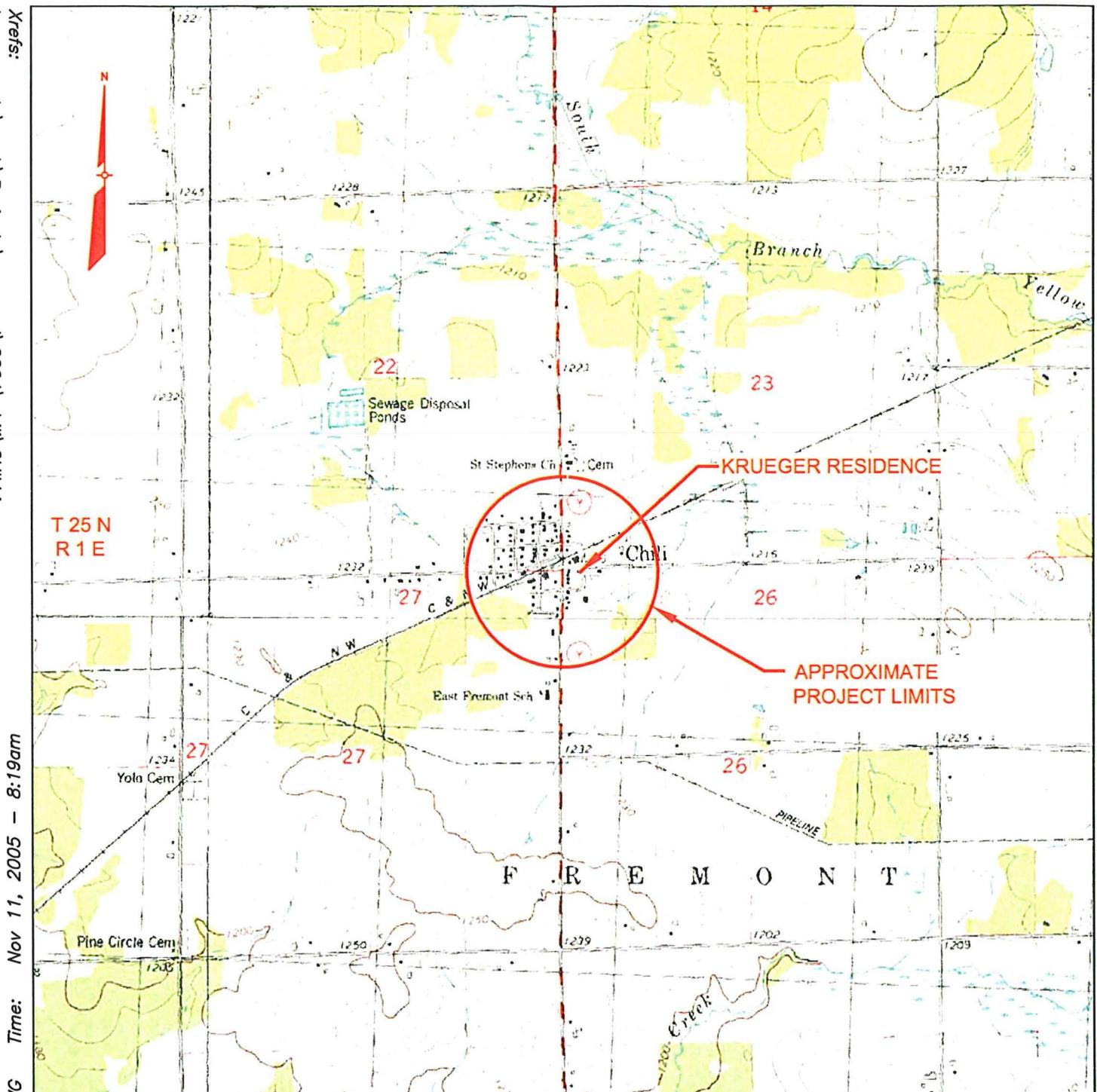
David S. Senfelds, P.E., CHMM
Manager, Environmental Services

Enclosures: Figure 1 - Site Location
Figure 2 - Site Plan
Figure 3 - Water Table Contour Map - June 2005
Figure 4 - Water Table Contour Map - July 2005
Figure 5 - Specific Capacity Values
Figure 6 - Effective Radius Map

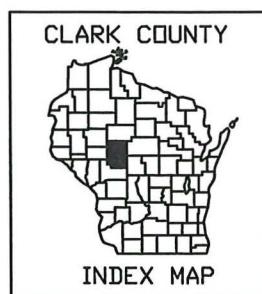
Table 1 - Soil Sample Analytical Results
Table 2 - Groundwater Sample Analytical Results
Table 3 - Monitoring Well Data and Groundwater Elevations
Table 4 - Potable Well Sample Analytical Results
Table 5 - Specific Capacity Calculations

Boring Logs
Monitoring Well Construction Forms
Monitoring Well Development Forms
Soil Disposal Documentation
Laboratory Analytical Reports
AQTESOLV Calculation Sheets
Well Construction Records
Hydrogeologic Calculations and Graph

Xrefs:
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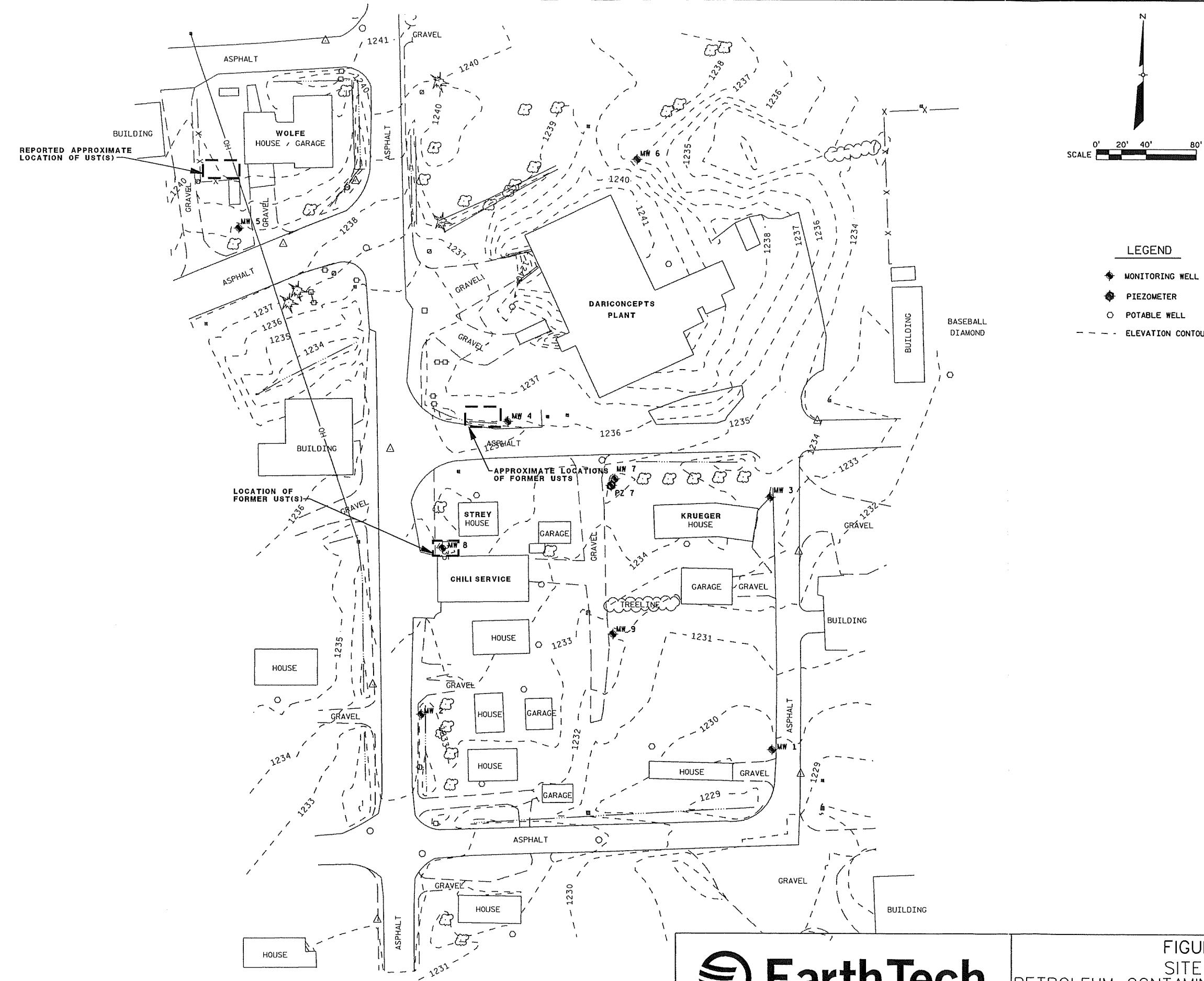
SOURCE: USGS 7.5 MINUTE QUADRANGLES,
LOYAL EAST, SPENCER SOUTH, GRANTON,
& LINDSEY WISCONSIN, 1977



SCALE 1: 24000
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CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

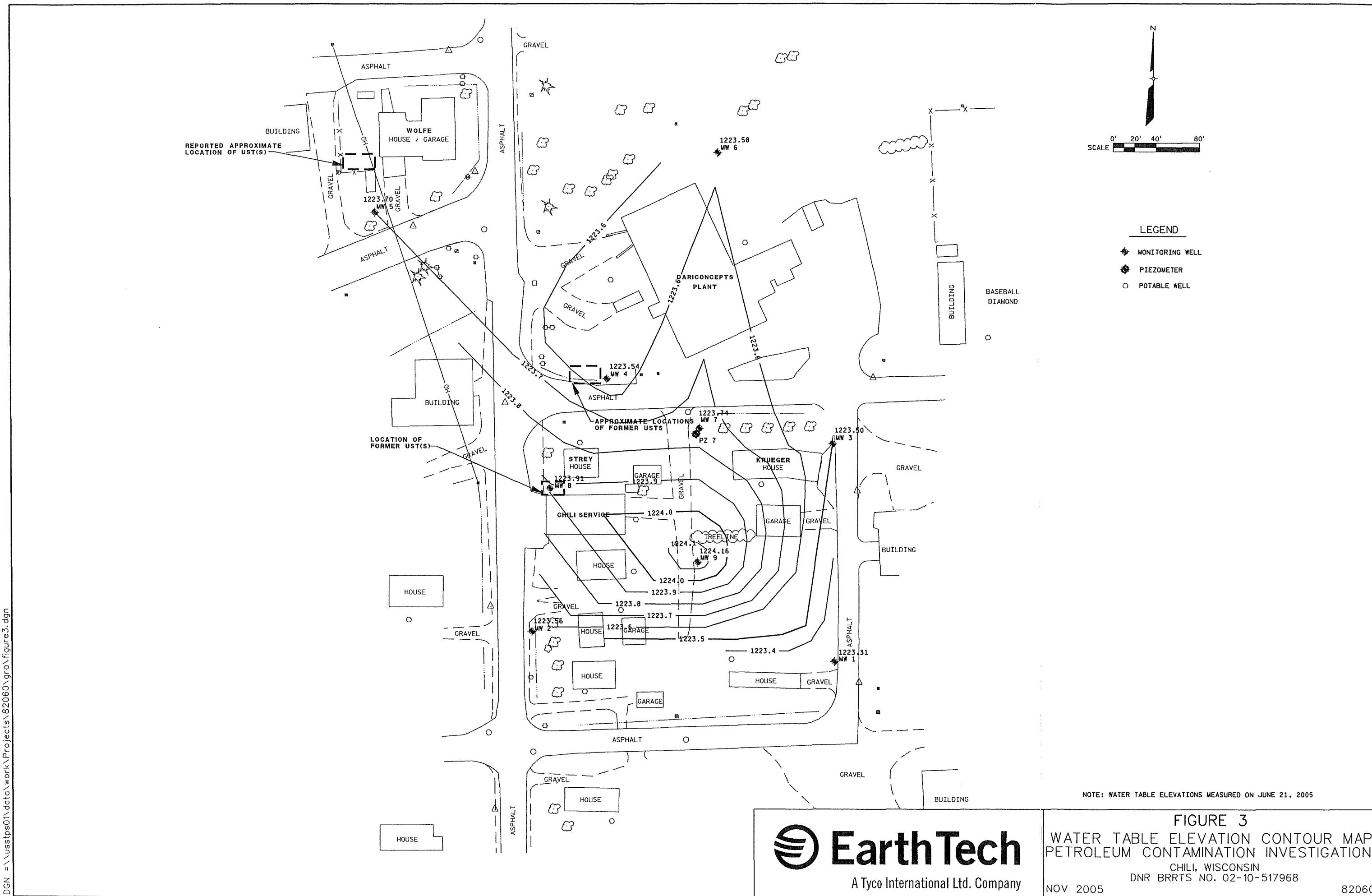
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FIGURE 1
PROJECT LOCATION MAP
PETROLEUM CONTAMINATION INVESTIGATION
CHILI, WISCONSIN
DNR BRRTS NO. 02-10-517968
NOV 2005
82060



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Levels ure 1-12, 17-19  
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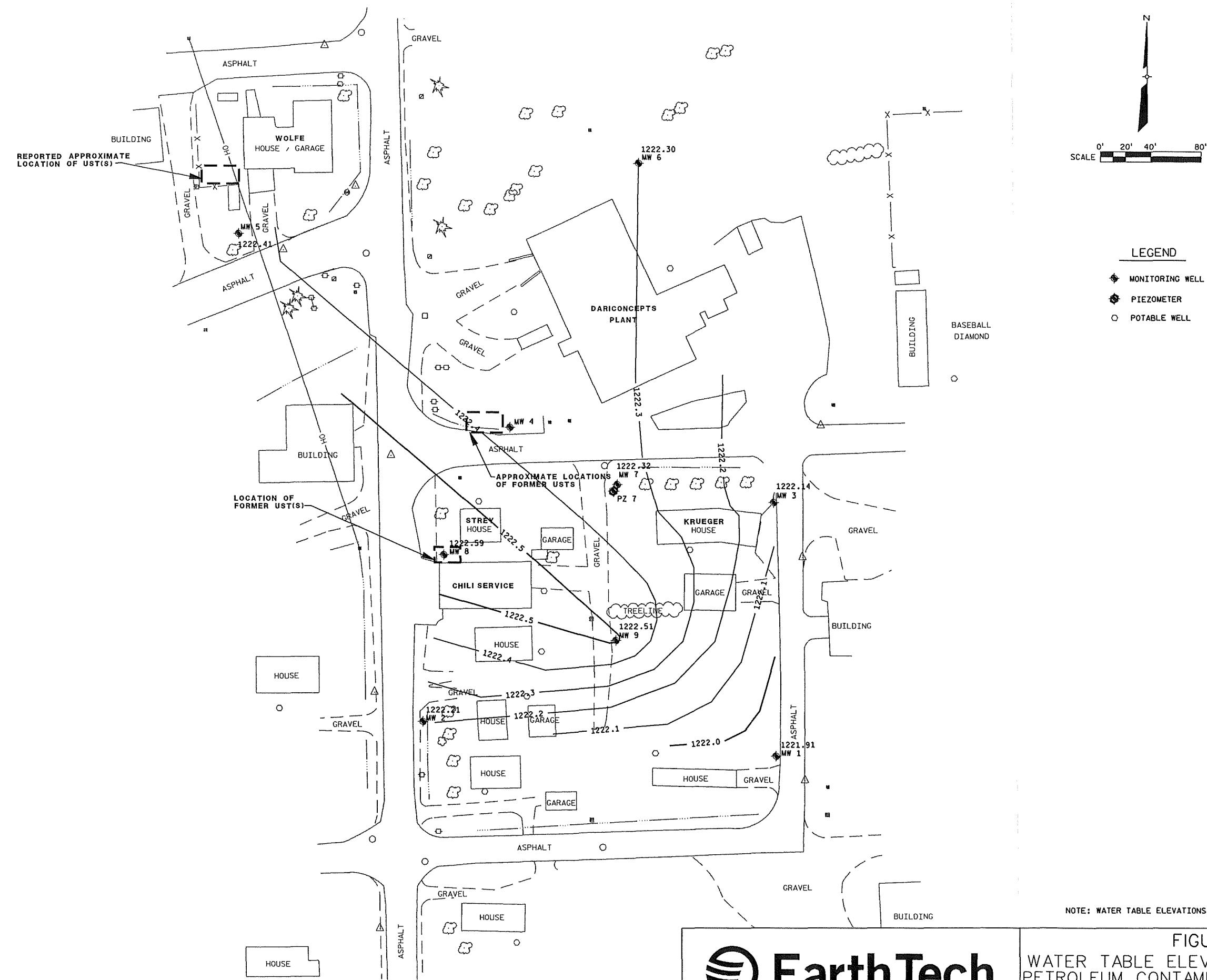
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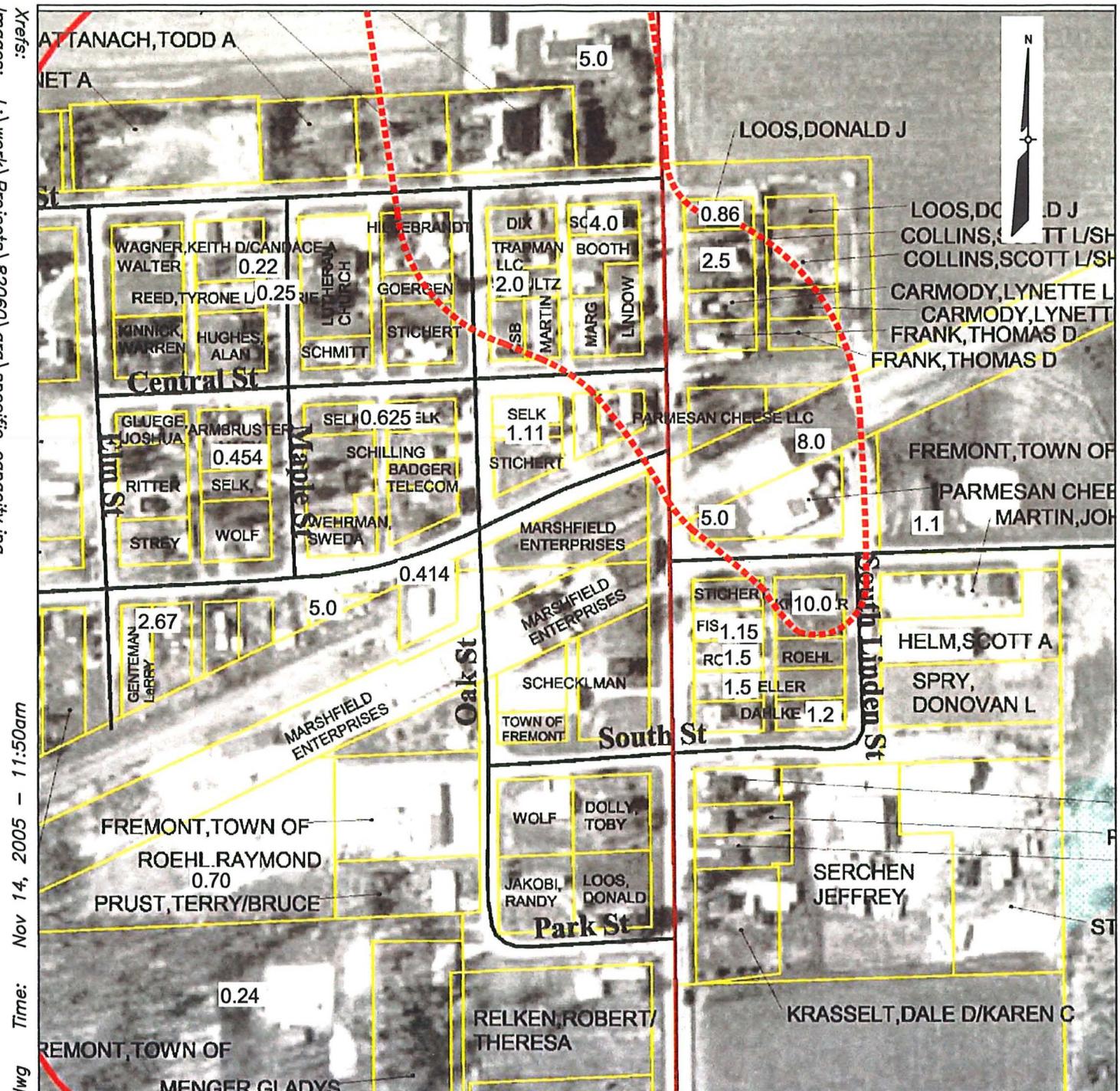


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FIGURE 4
WATER TABLE ELEVATION CONTOUR MAP
PETROLEUM CONTAMINATION INVESTIGATION
CHILI, WISCONSIN
DNR BRRTS NO. 02-10-517968
NOV 2005

82060

Xrefs: /Images: L:\work\Projects\82060\gra\specific capacity.jpf



PSI Scale: 1

File: L:\work\Projects\82060\gra\FIGURE5.dwg

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FIGURE 5
SPECIFIC CAPACITY VALUES
PETROLEUM CONTAMINATION INVESTIGATION
CHILI, WISCONSIN
DNR BRRTS NO. 02-10-517968
NOV 2005
82060

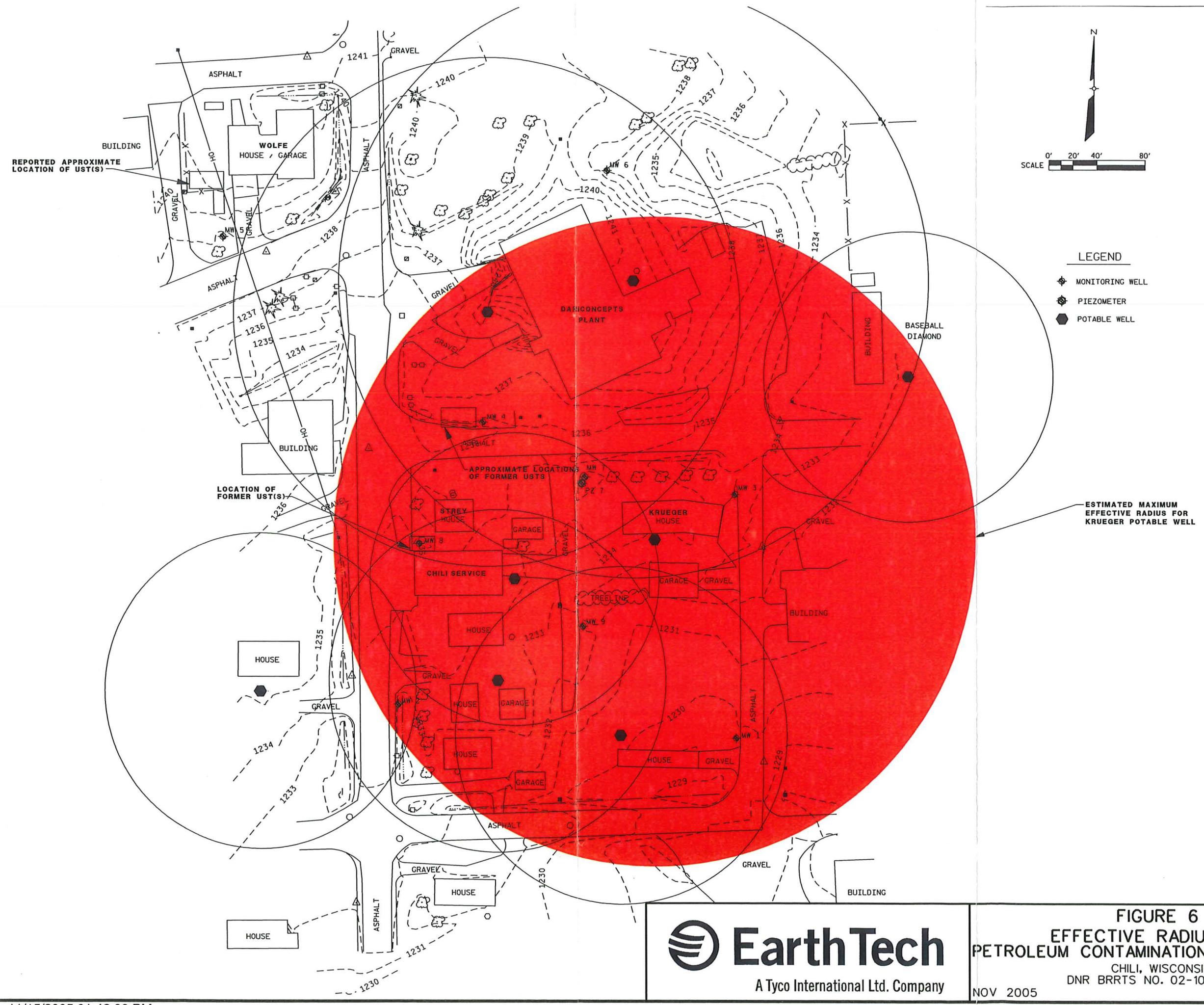


TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PETROLEUM CONTAMINATION INVESTIGATION
CHILI, WISCONSIN
DNR BRRTS NO. 02-10-517968

Soil Boring No.:				TW-1/MW-1	TW-2/MW-2	TW-3/MW-3	TW-4/MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
Sample Depth (feet):				7-8	9-10	12-13	8.5-9.5	14-15	14-16	12-13.5	7-8	9-11
Date Collected:				01/18/05	01/18/05	01/19/05	01/19/05	04/20/05	04/20/05	04/21/05	04/21/05	04/21/05
Analyte	NR 720 RCL	Interim Guidance RCL	COMM 46/ NR 746 SSL	Results								
VOCs (mg/kg)												
Benzene	0.0055	NE	8.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	2.13	<0.025	
n-Butylbenzene	NE	NE	NE	<0.025	<0.025	<0.025	<0.025	0.156	<0.025	<0.025	<0.217	
1,2 Dichloroethane	0.0049	NE	0.6	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025 ^{CSL}	<0.025 ^{CSL}	<0.217 ^{CSL}	
Ethylbenzene	2.9	NE	4.6	<0.025	<0.025	<0.025	<0.025	0.118	<0.025 ^{CSL}	<0.025 ^{CSL}	<0.025 ^{CSL}	
p-Isopropyltoluene	NE	NE	NE	<0.025	<0.025	<0.025	<0.025	0.298	<0.025	<0.025	4.82	
n-Propylbenzene	NE	NE	NE	<0.025	<0.025	<0.025	<0.025	0.119	<0.025	<0.025	7.53	
Toluene	1.5	NE	38	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	9.71	<0.025	
1,2,4-Trimethylbenzene	NE	NE	83	<0.025	<0.025	<0.025	<0.025	0.28	<0.025	32.2 ^{ISH}	<0.025	
1,3,5-Trimethylbenzene	NE	NE	11	<0.025	<0.025	<0.025	<0.025	0.386	<0.025	13.9	<0.025	
Naphthalene	NE	NE	2.7	<0.025	<0.025	<0.025	<0.025	0.279	<0.025	6.91	<0.025	
Xylenes (Total)	4.1	NE	42	<0.025	<0.025	<0.025	<0.025	0.1214	<0.050	47.8	<0.050	
Analyte	Groundwater Pathway*	Direct Contact Pathway*		Results								
		Non-Indust.	Indust.									
PAHs (mg/kg)												
Acenaphthene	38	900	60,000	<0.00547	<0.00553	<0.00562	<0.00582	<0.0052	<0.00526	<0.00582	<0.00511	<0.00565
Acenaphthylene	0.7	18	360	<0.00767	<0.00776	<0.00789	<0.00817	<0.0073	<0.00739	<0.00818	<0.00717	<0.00793
Anthracene	3,000	5,000	300,000	<0.00244	<0.00247	<0.00251	<0.0026	<0.00232	<0.00235	<0.0026	<0.00228	<0.00252
Benzo(a)anthracene	17	0.088	3.9	<0.00477	<0.00482	<0.0049	<0.00507	<0.00454	<0.00459	<0.00508	<0.00446	<0.00493
Benzo(a)Pyrene	48	0.0088	0.39	<0.00267	<0.00271	<0.00275	<0.00285	<0.00254	0.00862	<0.00285	<0.0025	0.00919 ^J
Benzo(b)Fluoranthene	360	0.088	3.9	<0.00244	<0.00247	<0.00251	<0.0026	<0.00232	<0.00235	<0.0026	<0.00228	<0.00252
Benzo(k)Fluoranthene	870	0.88	39	<0.00337	<0.00341	<0.00347	<0.00359	<0.00321	<0.00325	<0.00359	<0.00315	<0.00349
Benzo(ghi)Perylene	6,800	1.8	39	<0.00244	<0.00247	<0.00251	<0.0026	0.00472 ^J	0.00311 ^J	<0.0026	<0.00228	<0.00252
Chrysene	37	8.8	390	<0.00267	<0.00271	<0.00275	<0.00285	<0.00254	<0.00258	<0.00285	<0.0025	<0.00276
Dibenzo(a,h)Anthracene	38	0.0088	0.39	<0.00163 ^{CSH}	<0.00165 ^{CSH}	<0.00167	<0.00173 ^{CSH}	<0.00155	<0.00157 ^{CSH}	<0.00173 ^{CSH}	<0.00152 ^{CSH}	<0.00168 ^{CSH}
Fluoranthene	500	600	40,000	<0.00256	<0.00259	<0.00263	<0.00272	<0.00243	0.0102	<0.00273	<0.00239	0.0108
Fluorene	100	600	40,000	<0.00233	<0.00235	<0.00239	<0.00248	0.00716 ^J	<0.00224	<0.00248	<0.00217	<0.0124
Indeno (1,2,3-cd)Pyrene	680	0.088	3.9	<0.00186	<0.00188	<0.00191	<0.00198	<0.00177	<0.00179	<0.00198	<0.00174	<0.00192
1-Methyl naphthalene	23	1100	70,000	<0.00407	<0.00412	<0.00419	<0.00433	0.0106 ^J	<0.00392	<0.00434	0.0226	<0.00421
2-Methylnaphthalene	20	600	40,000	<0.00477	<0.00482	<0.0049	<0.00507	0.0173	<0.00459	<0.00508	0.0549	<0.00493
Naphthalene	0.4	20	110	<0.00186	<0.00188	<0.00191	<0.00198	0.00236 ^J	<0.00179	<0.00198	0.0128	<0.00192
Phenanthrene	1.8	18	390	<0.00267	<0.00271	<0.00275	<0.00285	<0.00254	0.00526 ^J	<0.00285	<0.0025	0.00635 ^J
Pyrene	8,700	500	30,000	<0.00244	<0.00247	<0.00251	<0.0026	<0.00232	<0.00235	<0.00228	0.0157	

Notes:

1. "NA" means "Not Analyzed."
2. "NE" means "Not Established."
3. RCL means applicable "Residual Contaminant Level" based on protection of groundwater as listed in Table 1 of NR 720 and based on human health risk from direct contact related to land use as listed in Table 2 of NR 720.
4. Groundwater Pathway and Direct Contact Pathway refer to "suggested generic residual contaminant levels (RCLs) for PAH compounds in soil" as listed in Table 1 of Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons in Soil" as listed in Table 1 of Soil Cleanup Levels for PAHs Interim Guidance, Wisconsin DNR Publication RR-519-97.
5. Comm 46/NR 746 SSL refers to "Soil Screening Level" as listed in Table 1 of COMM 46/NR 746.
6. Bolding indicates RCL exceedence; outline indicates SSL exceedence.
7. ^J Estimated concentration below laboratory quantitation limit.
8. ^{CSH} means "Check standard for this analyte exhibited a high bias. Sample results may also be biased high."
9. ^{CSL} means "Check standard for this analyte exhibited a low bias. Sample results may also be biased low."
10. ^{ISH} means "Internal standard recovery exceeds normal limits. Sample results may be biased low."
11. Only analytes detected at or above the laboratory detection limit or analytes with established DNR standards are listed in this table.
12. TW-1/MW-1 - Temporary monitoring wells converted to permanent monitoring wells on April 21, 2005.

TABLE 2
MONITORING WELL DATA AND GROUNDWATER ELEVATIONS
PETROLEUM CONTAMINATION INVESTIGATION
CHILI, WISCONSIN
DNR BRRTS NO. 02-10-517968

Well No. (Installation Date)	Date	Well Depth (ft-btoc)	Screen Length (ft)	Development Comments	T.O.C. Elevation (ft)	Depth to Water (ft)	Water Table Elevation (ft)	Comments
MW-1 (1/18/05)	1/21/2005 *	21.2	15.0	Moderate Recovery	1,229.76	9.50	1220.26	
	1/27/2005					9.78	1219.98	
	6/21/2005					6.45	1223.31	
	7/21/2005					7.85	1221.91	
MW-2 (1/18/05)	1/21/2005 *	21.7	15.0	Poor/Moderate Recovery	1,232.37	11.48	1220.89	
	1/27/2005					12.04	1220.33	
	6/21/2005					8.81	1223.56	
	7/21/2005					10.16	1222.21	
MW-3 (1/19/05)	1/21/2005 *	21.1	15.0	Good Recovery	1,233.54	12.99	1220.55	
	1/27/2005					13.29	1220.25	
	6/21/2005					10.04	1223.50	
	7/21/2005					11.40	1222.14	
MW-4 (1/19/05)	1/21/2005 *	21.2	15.0	Moderate/Good Recovery	1,235.80	15.15	1220.65	
	1/27/2005					15.50	1220.30	
	6/21/2005					12.26	1223.54	
	7/21/2005					DNS	1235.80	2.6 feet of free product
MW-5 (4/20/05)	4/29/2005 *	21.7	10.0	Good Recovery	1,238.67	15.81	1222.86	
	6/21/2005					14.97	1223.70	
	7/21/2005					16.26	1222.41	
MW-6 (4/20/05)	4/29/2005 *	21.1	10.0	Good Recovery	1,236.90	14.72	1222.18	
	6/21/2005					13.32	1223.58	
	7/21/2005					14.60	1222.30	
MW-7 (4/21/05)	4/29/2005 *	19.8	10.0	Moderate Recovery	1,233.49	9.51	1223.98	
	6/21/2005					9.75	1223.74	
	7/21/2005					11.17	1222.32	
PZ-7 (4/21/05)	4/29/2005 *	46.3	5.0	Very Good Recovery	1,233.59	15.60	1217.99	
	6/21/2005					13.54	1220.05	
	7/21/2005					13.81	1219.78	
MW-8 (4/21/05)	4/29/2005 *	19.4	10.0	Poor Recovery	1,234.74	12.47	1222.27	
	6/21/2005					10.83	1223.91	
	7/21/2005					12.15	1222.59	
MW-9 (4/21/05)	4/29/2005 *	16.1	10.0	Poor/Moderate Recovery	1,231.65	8.32	1223.33	
	6/21/2005					7.49	1224.16	
	7/21/2005					9.14	1222.51	

Notes:

1. All elevations are referenced to the Clark County Coordinate System, NAD 83 (1991).
2. "btoc" means below top of casing.
3. * = Water level taken prior to well development.
4. DNS = Did Not Sample.

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS
PETROLEUM CONTAMINATION INVESTIGATION
DNR BRRTS NO. 02-10-517968
CHILI, WISCONSIN

Well No.: Date Collected:		TW-1/MW-1			TW-2/MW-2			TW-3/MW-3			TW-4/MW-4		(Duplicate)
		1/27/2005	6/21/2005	7/21/2005	1/27/2005	6/21/2005	7/21/2005	1/27/2005	6/21/2005	7/21/2005	1/27/2005	6/21/2005	6/21/2005
Analyte	ES ($\mu\text{g/l}$)	PAL ($\mu\text{g/l}$)											
VOCs ($\mu\text{g/l}$)													
Benzene	5	0.5	0.683^J	1.38	2.14	<0.31	<0.31	<0.31	<0.31	<0.31	1,660	164	168
n-Butylbenzene	NE	NE	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<72.0	34.1 ^{CSL}	38.5 ^{CSL}
sec-Butylbenzene	NE	NE	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<80.0	<4.00	<4.00
Chloromethane	3	0.3	<0.29 ^{CSH}	<0.29	0.97^J	<0.29 ^{CSH}	<0.29	<0.29	<0.29 ^{CSH}	<0.29	<58.0 ^{CSH, S1H, S2H}	<2.90	<2.90
1,2-Dichloroethane	5	0.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<80.0	<4.00	<4.00
Ethylbenzene	700	140	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	355	79.2	83.2
Isopropylbenzene	NE	NE	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<62.0	11.6	12.5
p-Isopropyltoluene	NE	NE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<5.00	<5.00
Naphthalene	40	8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<160	30	31.7
n-Propylbenzene	NE	NE	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<60.0	16.7	18.1
Toluene	1,000	200	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1,890	269	285
1,2,4-Trimethylbenzene	NE	NE	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	215	119	130
1,3,5-Trimethylbenzene	NE	NE	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<62.0	31.0	33.3
Trimethylbenzenes (Total)	480	96	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<277.0	150.0	163.3
m- & p-Xylene	NE	NE	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	859	314	333
o-Xylene	NE	NE	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	336	123	127
Xylene (total)	10,000	1,000	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	1,195	437	460

Notes:

1. ES - Enforcement Standard identified in Chapter NR 140, Wisconsin Administrative Code.
2. PAL - Preventive Action Limit identified in Chapter NR 140, Wisconsin Administrative Code.
3. NA - Not Analyzed.
4. NE - Not Established.
5. Bold outline indicates exceedance of ES.
6. Only analytes which were detected at or above the laboratory detection limit are listed in this table.
7. Monitoring wells TW-1 through TW-4, from the January 2005 sampling event, were renamed MW-1 through MW-4, respectively, beginning with the June 2005 sampling event.
8. ^J means "Estimated concentration below laboratory quantitation level."
9. ^{CSL} means "Check standard for this analyte exhibited a low bias. Sample results may also be biased low."
10. ^{CSH} means "Check standard for this analyte exhibited a high bias. Sample results may also be biased high."
11. ^{S1H} means "Sample matrix spike recovery was high. Sample result may be biased high."
12. ^{S2H} means "Sample matrix spike duplicate recovery was high. Sample result may be biased high."
13. TW-1/MW-1 - Temporary monitoring wells converted to permanent monitoring wells on April 21, 2005.

TABLE 3 (cont.)

Well No.: Date Collected:		MW-5 6/21/2005		MW-6 6/21/2005		MW-7 6/21/2005		PZ-7 6/21/2005		MW-8 6/21/2005		MW-9 6/21/2005		
Analyte		ES ($\mu\text{g/l}$)	PAL ($\mu\text{g/l}$)											
VOCs ($\mu\text{g/l}$)														
Benzene	5	0.5	186	202	<0.31	<0.31	1.99	1.51	<0.31	<0.31	1,480	1,310	<0.31	<0.31
n-Butylbenzene	NE	NE	9.26 ^{CSL}	12.2	<0.36 ^{CSL}	<0.36	<0.36 ^{CSL}	<0.36	<0.36 ^{CSL}	<0.36	160 ^{CSL}	112	<0.36 ^{CSL}	<0.36
sec-Butylbenzene	NE	NE	2.69	3.87	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<4.00 ^{CSL, S1H, S2H}	<20.0	<0.4	<0.4
Chloromethane	3	0.3	<0.29	<0.29	<0.29	<0.29	<0.29 ^{CSL}	<0.29	<0.29 ^{CSL}	<0.29	<2.90 ^{CSL, S1H, S2H}	<14.5 ^{CSH}	<0.29 ^{CSL}	<0.29
1,2-Dichloroethane	5	0.5	11.2	11.6	<0.4	<0.4	0.659^J	0.98^J	<0.4	<0.4	28.5	<20.0	<0.4	<0.4
Ethylbenzene	700	140	28.4	34.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	651	501	<0.5	<0.5
Isopropylbenzene	NE	NE	5.88	8.01	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	73.9	57.7	<0.31	<0.31
p-Isopropyltoluene	NE	NE	0.807 ^J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	16.4	<25.0	<0.5	<0.5
Naphthalene	40	8	24.1	26.2	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	319	266	<0.8	<0.8
n-Propylbenzene	NE	NE	7.06	9.91	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	108	83.1	<0.3	<0.3
Toluene	1,000	200	5.78	8.59	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	526	520	<0.3	<0.3
1,2,4-Trimethylbenzene	NE	NE	35.7	48.2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	852	797	<0.4	<0.4
1,3,5-Trimethylbenzene	NE	NE	9.54	13.4	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	247	181	<0.31	<0.31
Trimethylbenzenes (Total)	480	96	45.24	61.6	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	1,099	978	<0.71	<0.71
m- & p-Xylene	NE	NE	51.1	67.9	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	987	966	<0.62	<0.62
o-Xylene	NE	NE	22.1	30.9	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	210	183	<0.3	<0.3
Xylene (total)	10,000	1,000	73.2	98.8	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	1,197	1,149	<0.92	<0.92

Notes:

1. ES - Enforcement Standard identified in Chapter NR 140, Wisconsin Administrative Code.
2. PAL - Preventive Action Limit identified in Chapter NR 140, Wisconsin Administrative Code.
3. NA - Not Analyzed.
4. NE - Not Established.
5. Bold data indicates exceedence of PAL.
6. Only analytes which were detected at or above the laboratory detection limit are listed in this table.
7. Monitoring wells TW-1 through TW-4, from the
8. ^J means "Estimated concentration below laboratory quantitation level."
9. ^{CSL} means "Check standard for this analyte exhibited a low bias. Sample results may also be biased low."
10. ^{CSH} means "Check standard for this analyte exhibited a high bias. Sample results may also be biased high."
11. ^{S1H} means "Sample matrix spike recovery was high. Sample result may be biased high."
12. ^{S2H} means "Sample matrix spike duplicate recovery was high. Sample result may be biased high."
13. TW-1/MW-1 - Temporary monitoring wells converted to permanent monitoring wells on April 21, 2005.

TABLE 4
POTABLE WELL SAMPLE ANALYTICAL RESULTS
PETROLEUM CONTAMINATION INVESTIGATION
CHILI, WISCONSIN
DNR BRRTS NO. 02-10-517968

Well No.: Date Collected:		Krueger			Strey		Chili Service					
Analyte	ES ($\mu\text{g/l}$)	PAL ($\mu\text{g/l}$)										
VOCs ($\mu\text{g/l}$)												
Benzene	5	0.5	98.0	71	41.8	1.5	0.347 ^j	<0.15	<0.15			
sec-Butylbenzene	NE	NE	NA	<0.15	0.322 ^j	<0.15	<0.15	<0.15	<0.15			
Chloromethane	3	0.3	<2.00	<0.15	1.05	<0.15	0.321 ^j	<0.15	0.451 ^j			
1,2-Dibromoethane (EDB)	0.05	0.005	1.81	0.83	<0.1	<0.15	<0.1	<0.15	<0.1			
1,2-Dichloroethane (1,2-DCA)	5	0.5	3.59	1.9	<0.1	<0.15	0.15 ^j	<0.15	<0.1			
1,2-Dichloropropane	5	0.5	<1.00	<0.15	0.13 ^j	<0.15	<0.1	<0.15	<0.1			
Isopropylbenzene	NE	NE	NA	0.32	0.27	<0.15	<0.1	<0.15	<0.1			
Naphthalene	40	8	NA	2.4	1.01 ^{j, CSL}	<0.15	<1.00	<0.15	<1.00			
Tetrachloroethylene	5	0.5	<1.00	<0.15	0.274 ^j	<0.15	<0.1	<0.15	<0.1			
Toluene	1,000	200	<4.00	0.68	<0.4	<0.15	<0.4	1.2	<0.4			
1,2,4-Trimethylbenzene	NE	NE	NA	0.99	0.512 ^j	<0.15	<0.15	<0.15	<0.15			
1,3,5-Trimethylbenzene	NE	NE	NA	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15			
Trimethylbenzenes (Total)	480	96	NA	<1.14	0.512	<0.30	<0.3	<0.30	<0.3			
m- & p-Xylene	NE	NE	<4.00	0.20	0.637	<0.15	<0.4	0.96	<0.4			
o-Xylene	NE	NE	10.0	4.2	1.38	<0.15	<0.1	<0.15	<0.1			
Xylene (total)	10,000	1,000	<14.0	4.40	2.017	<0.30	<0.5	<1.11	<0.5			

Notes:

1. ES - Enforcement Standard identified in Chapter NR 140, Wisconsin Administrative Code.
2. PAL - Preventive Action Limit identified in Chapter NR 140, Wisconsin Administrative Code.
3. * - Sample collected by property owners and analyzed by US Filter/Enviroscan, Rothschild, Wisconsin.
4. ** - Sample collected by DNR and analyzed by the Wisconsin State Lab of Hygiene, Madison, Wisconsin.
5. NE - Not Established.
6. NA - Not Analyzed.
7. Bold data indicates exceedence of PAL.
8. Bold outline indicates exceedence of ES.
9. Only analytes which were detected at or above the laboratory detection limit are listed in this table.
10. ^j means "Estimated concentration below laboratory quantitation level."
11. ^{CSL} means "Check standard for this analyte exhibited a low bias. Sample results may also be biased low."

TABLE 5
SPECIFIC CAPACITY CALCULATIONS
PETROLEUM CONTAMINATION INVESTIGATION
CHILI, WISCONSIN
DNR BRRTS No. 02-10-517968

Well Owner	Wisconsin Unique Well Number	Static WL (ft)	Pumping WL (ft)	Discharge (GPM)	S_{CAP} (GPM/ft)
Kreuger Residence	J6010	18	19	10	10.0
Chili Service	KO380	12	25	15	1.15
Dariconcepts (1971)	NA	27	35	40	5.0
Dariconcepts (1953)	IY803	17	20	24	8.0
Town of Fremont Ball Park	NA	12	21	10	1.11
Roehl Residence (Main Street)	KO379	12	25	20	1.54
Mueller Residence	OW283	8	18	15	1.50
Dahlke Residence (Mobile Home)	KS318	10	20	12	1.20
Loos Residence (CTH Y)	OI600	21	35	12	0.86
Roehl (West of Town Hall/Garage)	MD644	28	45	12	0.71
Collins Residence	ID939	18	25	20	2.86
Wagner Residence	NM483	10	37	6	0.22
Reed Residence	LI842	10	50	10	0.25
Selk Shop (Central Street)	HR885	12	30	20	1.11
Armbruster Residence	CO559	8	30	10	0.45
Loos Tavern (Chili Road)	NA	12	14	10	5.00
Stickert Farm	NA	35	37	10	5.00

Notes:

1. Reference Equation: $S_{CAP} = \text{Discharge (GPM)} / (\text{Pumping WL} - \text{Static WL})$
2. ft - feet.
3. GPM - Gallons Per Minute.
4. S_{CAP} - Specific Capacity.

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Route To: Watershed/Wastewater Waste Management
Remediation/Development Other

Page 1 of 2

Facility/Project Name <u>CHILLI, WI - CONTAMINATION INVESTIGATION</u>			License/Permit/Monitoring Number		Boring Number <u>TW-1</u>										
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>WES</u> Last Name: <u>IMHOFF</u> Firm: <u>BOART LONGYEAR</u>			Date Drilling Started <u>01/14/2005</u> <u>mm dd yy</u>	Date Drilling Completed <u>01/18/2005</u> <u>mm dd yy</u>	Drilling Method <u>HSA</u>										
WL Unique Well No. <u>P P 805</u>	DNR Well ID No.	Well Name <u>TW-1</u>	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>8.0 inches</u>										
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N			Lat 0 ° 0 ' " Lat <input type="checkbox"/> N	Long 0 ° 0 ' " Long <input type="checkbox"/> S	Local Grid Location <input type="checkbox"/> E <input type="checkbox"/> W										
NW 1/4 of SW 1/4 of Section <u>Z6</u> , T <u>25</u> N, R <u>1</u> (SW)			Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W												
Facility ID		County <u>CLARK</u>	County Code <u>10</u>	Civil Town/City/ or Village <u>FREMONT</u>											
Sample Number and Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit		USCS	Graphic Log	Well Diagram	PID/FBD	Compressive Strength	Moisture Content	coor liquid limit	Plasticity Index	P 200	RQD/ Comments
S-1	24 ¹ / ₁₂	1 2 3 4 5 6 7 8 9 10	1' 2' 3' 4' 5' 6' 7' 8' 9' 10'	<u>GRASS COVERED</u> 2.0 TO 4.0 FIRM, YELLOWISH BROWN (10, 10 5/4) SILTY CLAY, w/ 60% 5YR 1/6 MOTTLES, MOIST, SLIGHT PLASTIC		ML			17.9		MOIST	NONE			10:20
S-2	24 ¹ / ₁₆	1 2 3 4 5 6 7 8 9 10	1' 2' 3' 4' 5' 6' 7' 8' 9' 10'	4.0 TO 6.0 SAA - TRAIL SAND @ 5.9' - SOFT		ML			11.9		MOIST	NONE			10:30
-3	24 ¹ / ₁₁	1 2 3 4 5 6 7 8 9 10	1' 2' 3' 4' 5' 6' 7' 8' 9' 10'	6.0 TO 8.0 SAA - TRAIL SAND, ANGULAR GRAVEL, W/ 20% 10YR 6/1, MOTTLES, SOFT		ML			16.4		MOIST	NONE			10:50
ASHBED	16:40	1 2 3 4 5 6 7 8 9 10	1' 2' 3' 4' 5' 6' 7' 8' 9' 10'	8.0 TO 10.0 SAA - VERY SOFT, LIKELY WATER TABLE @ ~ 9.2' V. PLASTIC		CL MB			22.7	V. MOIST	NONE				10:55
S-4	24 ¹ / ₂₄	1 2 3 4 5 6 7 8 9 10 11 12	1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12'	10.0 TO 12.0 SAA		CL			19.3	V. MOIST	NONE				11:00
S-5	24 ¹ / ₂₄	1 2 3 4 5 6 7 8 9 10 11 12	1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12'			CL									

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

Signature

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

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Facility/Project Name <u>CHILL W/ CONTAMINATION INVESTIGATION</u>			License/Permit/Monitoring Number		Boring Number <u>TW-2</u>								
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>WES</u> Last Name: <u>HOPPE</u> Firm: <u>ROBERT LONGYEAR</u>			Date Drilling Started <u>01/16/2005</u> <u>m m d d y y y y</u>	Date Drilling Completed <u>01/16/2005</u> <u>m m d d y y y y</u>	Drilling Method <u>HSA</u>								
WI Unique Well No. <u>P P 80 6</u>	DNR Well ID No.	Well Name <u>TW-2</u>	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL	Borehole Diameter ____ inches								
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N. _____ E S/C/N			Lat <u>0</u> <u>'</u> <u>"</u>	Local Grid Location <input type="checkbox"/> N. _____ <input type="checkbox"/> E. _____ Long <u>0</u> <u>'</u> <u>"</u> Feet <input type="checkbox"/> S. _____ Feet <input type="checkbox"/> W. _____									
Facility ID	County <u>CLARK</u>	County Code <u>10</u>	Civil Town/City or Village <u>FREMONT</u>										
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit				Soil Properties				P 200	RQD/Comments
				USCS	Graphic Log	Well Diagram	PI/D/FD	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
-1	24/20		1										15:10
			2	2.0 TO 4.0 FIRM, STRONG BROWN (7.5-12 4/6) SILTY CLAY, TRACE									
			3	M/C SAND, MOIST									
			4	4.0 TO 6.0 SAA				16.4					
-2	24/22		5										15:20
			6	6.0 TO 8.0 SAA, D. GRIC YELLOWISH BROWN (10-12 4/6) W/ 40% (7.5-12 6/1) MOTTLES,				14.2					
-3	24/18		7										15:30
			8	8.0 TO 10.0 SAA BROWN (10-12 5/3) TRACE GRANITIC GRAVEL	GL			17.9					
			9	V. PLASTIC									
-4	12/15		10	10.0 TO 10.8 SAA									15:35
			11	10.8 TO 11.6 DENSE, YELLOWISH (5-8 1/2) F/SAND STONE				12.2					9'-10'
			12	11.8 TO 12.0 LOOSE, YELLOWISH BROWN F/M SAND MOIST	SP			18.7					VOC, PATHS
													15:40

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

Page 1 of 2

Facility/Project Name <u>CHIWI, WI - CONTAMINATION INVESTIGATION</u>			License/Permit/Monitoring Number		Boring Number <u>TW-3</u>									
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>WES</u> Last Name: <u>MIDORF</u> Firm: <u>ROBERT LONGYEAR</u>			Date Drilling Started <u>01/19/2005</u> <u>mm dd yy</u>	Date Drilling Completed <u>01/19/2005</u> <u>mm dd yy</u>	Drilling Method <u>HSA</u>									
WI Unique Well No. <u>P1807</u>	DNR Well ID No. <u>TW-3</u>	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>8.0 inches</u>									
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E S/C/N			Lat <u>0</u> <u>'</u> <u>"</u>	Long <u>0</u> <u>'</u> <u>"</u>	Local Grid Location <input type="checkbox"/> N Feet <input type="checkbox"/> S <input type="checkbox"/> E Feet <input type="checkbox"/> W									
Facility ID	County <u>CLARK</u>	County Code <u>10</u>	Civil Town/City/ or Village <u>FREMONT</u>											
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Soil/Rock Description And Geologic Origin For Each Major Unit <u>GRASS COVERED</u>	USCS	Graphic Log	Well Diagram	PID/FBD	Soil Properties				P 200	RQD/Comments	
S-1	24/24	10 8 6 4 5 7 7	2.0 TO 3.8 FROZEN, GL GLIFT BROWN (10 YR 5/4) SILTY SANDY CLAY, MOIST 3.8 TO 4.0 FIRM, REDDISH BROWN (2.5 YR 5/6) SILTY CLAY, TRACE SAND CL 4.0 TO 6.0 SAA, TRACE ROUND + SUBANGULAR GRAVEL	SC				8.7	Compressive Strength MOIST	Moist Content NONE	Liquid Limit NONE	Plasticity Index 20%		9:45
S-2	24/21	15 6 1 2 3 7 7	6.0 TO 8.0 SAA	CL				15.6		MOIST	NONE			9:55
S-3	24/23	1 2 3 6 8	7 - SOFTER @ 7.0' 8.0 TO 9.8 SAA	CL				12.0 7.4	MOIST	MOIST	NONE			10:05
S-4	24/22	2 2 9 10 1	1/8" SAND SEAM 9.8 TO 10.0 LIGHT BROWNISH GRAY (10 YR 6/2) SILTY CLAY, VERY SOFT	CL				12.0	MOIST	V. MOIST	NONE			10:15
S-5	24/18	1 1 1 12	10.0 TO 12.0 SAA, REDDISH BROWN (7.5 YR 5/6) V. PLASTIC	CL				11.6	V. MOIST	MOIST	NONE			10:25

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Route To: Watershed/Wastewater Waste Management
Remediation/Development Other

Page 1 of 2

Facility/Project Name <u>CHILLI WI - CONTAMINATION INVESTIGATION</u>			License/Permit/Monitoring Number		Boring Number <u>TW-4</u>								
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>WES</u> Last Name: <u>MINOFF</u> Firm: <u>ROART LONGYEAR</u>			Date Drilling Started <u>01/19/2005</u> <u>mm dd yy</u>	Date Drilling Completed <u>01/19/2005</u> <u>mm dd yy</u>	Drilling Method <u>HSA</u>								
WI Unique Well No. <u>PPS08</u>	DNR Well ID No.	Well Name <u>TW-4</u>	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>8.0</u> inches								
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N <u>SW 1/4 of SW 1/4 of Section 23, T 25 N, R 1 E/W</u>			Lat <u>0 ° 0 ' 0 "</u>	Long <u>0 ° 0 ' 0 "</u>	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S <input type="checkbox"/> W								
Facility ID	County <u>CLARK</u>	County Code <u>10</u>	Civil Town/City/ or Village <u>FREMONT</u>										
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Soil/Rock Description And Geologic Origin For Each Major Unit		Soil Properties			P 200	RQD/Comments				
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	USCS	Graphic Log	Well Diagram	PID/FBD			Compressive Strength	Moisture Content	COOR	Liquid Limit
-1	24/23	1 2 3 4 5 6 7 8 9 10 11 12	GRASS COVERED	CL				14.0	MOIST NONE				13:40
-2	24/22	1 2 3 4 5 6 7 8 9 10 11 12	2.0 TO 4.0 FIRM, BROWN (10-12 1/4) SILTY CLAY, TRACE GRAVEL + K SAND, 40% 10-12 1/4, MOTTLES	CL				14.0	MOIST NONE				13:50
-3	24/24	1 2 3 4 5 6 7 8 9 10 11 12	4.0 TO 6.0 SAA	CL				14.9	MOIST NONE				14:00
-4	24/21	1 2 3 4 5 6 7 8 9 10 11 12	6.0 TO 8.0 SAA, 60% MOTTLES	CL				16.7	MOIST NONE				14:10
			1/8" SAND SEAM	CL									8.5 to 9.5
			9.0 TO 9.9 SAA	CL									VOCs PAHs
			(10-12 1/4) MATRIX w/(2.5-12 1/4) MOTTLES	CL									
			9.9 TO 10.0! TAN (10-12 1/4) F SAND - SS BEDROCK	SS BEDROCK				19.8	MOIST NONE				
			BLIND DRILL TO 25.0!										

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Route To: Watershed/Wastewater Waste Management
Remediation/Development Other

Page 1 of 2

Facility/Project Name <u>CHILLI, WI - CONTAMINATION INVESTIGATION</u>			License/Permit/Monitoring Number		Boring Number <u>MW-5</u>										
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>WES</u> Last Name: <u>MIHOFF</u> Firm: <u>BOART LONGYEAR</u>			Date Drilling Started <u>04/20/2005</u> <u>mm dd yyyy</u>	Date Drilling Completed <u>04/20/2005</u> <u>mm dd yyyy</u>	Drilling Method <u>HSA</u>										
WI Unique Well No. <u>PP 82-1</u>	DNR Well ID No.	Well Name <u>MW-5</u>	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>8.0</u> inches										
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E S/C/N <u>SE 1/4 of SE 1/4 of Section 22, T 25 N, R 1 E</u>			Lat <u>0° 0' "</u>	Long <u>0° 0' "</u>	Local Grid Location <input type="checkbox"/> N _____ Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W										
Facility ID	County <u>CLARK</u>	County Code <u>10</u>	Civil Town/City or Village <u>FREMONT</u>												
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit			USCS	Graphic Log	Well Diagram	PID/FBD	Soil Properties				RQD/ Comments
				<u>GRAVEL COVERED</u>							Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200
i-1 <u>24/15</u>	1		1							2.0					10:50
	2		2	2.0 TO 2.5 GRAVEL											
	3		3	2.5 TO 4.0 FIRM, STRONG BROWN (7.5 y 15/6) SILTY CLAY, TRACE			CL								
	4		4	GRAVEL, PLASTIC MOIST											
	5		5	4.0 TO 6.0 SAA, LESS SILT											
S-2 <u>24/15</u>	1		1												10:55
	2		2												
	3		3	6.0 TO 9.0 SAA, LESS GRAVEL,			CL			1.2					
	4		4	YELLOWISH BROWN 10 y 15/6											
S-3 <u>24/22</u>	1		1												11:00
	2		2	7			CL								
	3		3	8.0 TO 9.5 SAA											
S-4 <u>24/12</u>	1		1	9			CL								11:05
	2		2	9.5 TO 10.0 DENSE, BROWNISH YELLOW (10 y 12/6) SANDY CLAY, MOIST											
	3		3	10.0 TO 12.0 NO RECOVERY, WHITE											
	4		4	(2.5 y 8/1) SHATTERED SANDSTONE			CL								
S-5 <u>24/11</u>	1		1	IN SHOE.						143					11:15
	2		2												
	3		3												
	4		4												

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Route To: Watershed/Wastewater Waste Management
Remediation/Development Other

Page 1 of 2

Facility/Project Name <u>CHIWI, WI - CONTAMINATION INVESTIGATION</u>			License/Permit/Monitoring Number		Boring Number <u>MW-6</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>WES</u> Last Name: <u>MHOFF</u> Firm: <u>BOART LONGYEAR</u>			Date Drilling Started <u>04/20/2005</u>	Date Drilling Completed <u>04/20/2005</u>	Drilling Method <u>HSA</u>
WI Unique Well No. <u>P P 8 Z Z</u>	DNR Well ID No.	Well Name <u>MW-6</u>	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>8.0 inches</u>

Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E S/C/N <u>SW 1/4 of SW 1/4 of Section 23, T 25 N, R 1 E</u>			Lat <u>0° 0' 0"</u>	Long <u>0° 0' 0"</u>	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S <input type="checkbox"/> W
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Facility ID	County <u>CLARK</u>	County Code <u>10</u>	Civil Town/City/ or Village <u>FREMONT</u>		
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Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties					RQD/Comments
								PID/IRP	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	
S-1	24/20	1	1										
		2	2	2.0 TO 4.0 SOFT, BROWN (7.5 YR 4/1) GRADING TO DARK GRAY (10 YR 4/1) @									
		3	3	3.0', SILTY CLAY, TRACE GRAVEL CL									
		4	4	MOIST 4.0 TO 8.0 SAA, FIRM, LESS SILT, GRAY (10 YR 5/1)				1.7					
		5	5										
-2	24/16	2	2										
		3	3										
		4	4										
		5	5										
		6	6	6.0 TO 8.0 SAA (10 YR 4/1) TRACE GRAVEL				3.0					
		7	7										
S-3	24/24	2	2										
		3	3										
		4	4										
		5	5										
		6	6										
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i-4	24/22	2	2										
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j-5	24/24	3	3										
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Number and Type	Sample Length All & Recovered (in)	Blow Count	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	Soil Properties						RQD/ Comments	
					USCS	Graphic Log	Well Diagram	PID/SD	Compressive Strength	Moisture Content	ODDR	
S-6	24/ 18	3 5 7 13	12.0 TO 14.0 SAA SOFT SANDSTONE	SP				1.5		MOIST	NONE	16:25
S-7	24/ 10	8 4 14 17 10 15 10 16 7 9 17 25/ 4	14.0 TO 16.0 SAA, LOOSE @ 15.0' REDDISH BROWN (2.5% SIL.) SATURATED @ 15.9' 16.0 TO 18.0 SAA SPOON REFUSAL @ 17.3'	SP				2.2		MOIST	NONE	16:35 UDCS PATH 14'-16'
S-8	24/ 12	18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	GOB @ 23.0'	SP				2.0		SAT	NONE	16:58

Route To: Watershed/Wastewater Waste Management
Remediation/Development Other

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Facility/Project Name CHILL, WI - CONTAMINATION INVESTIGATION			License/Permit/Monitoring Number	Boring Number MW-7
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: WES Last Name: MIHOFF Firm: BOART LONGYEAR			Date Drilling Started 04/21/2005	Date Drilling Completed 04/21/2005 Drilling Method HSA
WI Unique Well No. PP 823	DNR Well ID No.	Well Name MW-7	Final Static Water Level Feet MSL	Surface Elevation Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location	
State Plane _____ N, _____ E S/C/N NW 1/4 of NW 1/4 of Section 26, T 25 N, R 1 E/W			Lat 0° 0' 0"	<input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID _____ County CLARK			County Code 10	Civil Town/City or Village FREMONT

Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties					P 200	RQD/ Comments
								PID/RD	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
-1	24/ 12	1 2 3 4 5 6 7	1 2 3 4 5 6 7	Z.0 TO 4.0 FIRM, PALE BROWN (10% H_2O) SILTY CLAY, TRACE GRAVEL, PLASTIC, MOIST 4.0 TO 6.0 SAA, GRADING TO YELLOWISH BROWN (5% H_2O) CL @ 5.0'	CL			1.0		MAST/NONE				8:10
-2	24/ 20	1 2 3 4 5 6 7	1 2 3 4 5 6 7	6.0 TO 8.0 NO RECOVERY ROCK	CL			2.12		MAST/NONE				8:15
S-3	24/ 14	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	8.0 TO 10.0 SAA	CL									9:25
-4	24/ 14	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	10.0 TO 11.4 SAA	CL			2.5		MAST/NONE				
S-5	24/ 23	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	11.4 TO 12.0 LIGHT GREENISH GRAY (5% H_2O) SILTY GRANULAR CLAY, MOIST	CL			1.5		MAST/NONE				9:40

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

Signature Phil Egan Firm EARTH TECH, INC.

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

Rout To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other _____

Page 1 of 2

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

Signature

Firm

Phil Egan

EARTH TECH, INC

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Rout To: Watershed/Wastewater Waste Management
Remediation/Development Other

Page 1 of 2

Facility/Project Name <u>CHILI WI - CONTAMINATION INVESTIGATION</u>			License/Permit/Monitoring Number		Boring Number <u>MW-8</u>									
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>WES</u> Last Name: <u>IMHOFF</u> Firm: <u>BOART LONGYEAR</u>			Date Drilling Started <u>04/21/2005</u> mm dd yyyy	Date Drilling Completed <u>04/21/2005</u> mm dd yyyy	Drilling Method <u>HSA</u>									
WI Unique Well No. <u>PP825</u>	DNR Well ID No.	Well Name <u>MW-8</u>	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8.0 inches									
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N <u>NW 1/4 of NW 1/4 of Section Z6, T25 N, R 1 EW</u>			Lat <u>0</u> ° <u>0</u> ' " Long <u>0</u> ° <u>0</u> ' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W Feet										
Facility ID	County <u>CLARK</u>	County Code <u>10</u>	Civil Town/City or Village <u>FREMONT</u>											
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil Properties										
Soil/Rock Description And Geologic Origin For Each Major Unit <u>GRASS/GRAVEL COVERED</u>				USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments	
S-1	24/114	1 2 3 4 5	1 2 3 4 5	CL										16:15
-2	24/117	1 2 3 4 5	2.0 TO 4.0 SOFT, BROWN TO MEDIUM GRAY SILTY CLAY, PLASTIC, MOIST - MIX -	CL				5,2						16:20
S-3	24/120	4 7 13	4.0 TO 5.4 SAA - MIX - 5.4 TO 6.0 FIRM, LIGHT BROWN TO GRAY (lower 4") CLAY, TRACE SILT. MOIST	CL				-420						16:30
														VOC, PATH
														2.0' to 8.0'
-4	24/19	7 15	6.0 TO 7.0 SAA 7.0 TO 8.0 FIRM, STRONG BROWN (7.5 yr 4") F. SAND, TRACE SILT	SM				-678						16:35
S-5	24/16	4 12 18	8.0 TO 10.0 SAA, VARIES - SOFT SANDSTONE - 10.0 TO 12.0 SAA, LESS SILT	SM				504						16:40

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

Signature

Firm

Pil Cayer

EARTH TECH, INC.

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Route To: Watershed/Wastewater Waste Management
Remediation/Development Other

Page 1 of 2

Facility/Project Name			License/Permit/Monitoring Number		Boring Number								
<u>C HILL W1 - CONTAMINATION INVESTIGATION</u>					<u>MW-9</u>								
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>WES</u> Last Name: <u>MHOFF</u> Firm: <u>ROBERT LONGYEAR</u>			Date Drilling Started <u>04/21/2005</u>	Date Drilling Completed <u>04/21/2005</u>	Drilling Method <u>HSA</u>								
WI Unique Well No. <u>PR 826</u>	DNR Well ID No.	Well Name <u>MW-9</u>	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>8.0</u> inches								
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E S/C/N			Lat <u>0° 0' 0"</u>	Long <u>0° 0' 0"</u>	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S <input type="checkbox"/> W								
Facility ID	County <u>CLARK</u>	County Code <u>10</u>	Civil Town/City/ or Village <u>FREMONT</u>										
Soil/Rock Description And Geologic Origin For Each Major Unit			Soil Properties										
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	USCS	Graphic Log	Well Diagram	PID/FBD	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			<u>GRASS COVERED</u>										
S-1	24/22	1 2 3 4 5	1 2 3 4 5 6 7 8 9 10 11 12	CL			4.2	MOIST	NOHCE				19:00
-2	24/22	1 2 3 4 5	1 2 3 4 5 6 7 8 9 10 11 12	CL			5.0	MOIST	NOHCE				19:05
S-3	24/14	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	CL			7.0	MOIST	NOHCE				19:15
-4	24/19	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	CL			7.5	MOIST	NOHCE				19:20
S-5	24/14/0	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	SM			4.5	MOIST	NOHCE				19:30 VOL. PART P9'-11'

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

Signature Phil Egan Firm EARTH TECH, INC.

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

Facility/Project Name <i>Cyber - Contaminant Investigation</i>	Local Grid Location of Well Lat. _____ N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <i>TW-1</i>																		
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or St. Plane _____ ft. N. _____ ft. E. S/C/N	Wis. Unique Well No. <i>PPX05</i> DNR Well ID No. <i>0L11812005</i> Date Well Installed <i>m m d y y y y</i>																		
Facility ID	Section Location of Waste/Source <i>NW 1/4 of SW 1/4 of Sec. 26 T. 25 N. R. 1 E. W.</i>																			
Type of Well	Well Code <i>111MK</i>																			
Distance from Waste/Source <input type="checkbox"/> ft.	Env. Stds. <input type="checkbox"/> Apply <input checked="" type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known Gov. Lot Number _____																		
A. Protective pipe, top elevation	ft. MSL																			
B. Well casing, top elevation	ft. MSL																			
C. Land surface elevation	ft. MSL																			
D. Surface seal, bottom	ft. MSL or _____ ft.																			
<p>12. USCS classification of soil near screen:</p> <table> <tr><td>GP <input type="checkbox"/></td><td>GM <input type="checkbox"/></td><td>GC <input type="checkbox"/></td><td>GW <input type="checkbox"/></td><td>SW <input type="checkbox"/></td><td>SP <input type="checkbox"/></td></tr> <tr><td>SM <input type="checkbox"/></td><td>SC <input type="checkbox"/></td><td>ML <input type="checkbox"/></td><td>MH <input type="checkbox"/></td><td>CL <input checked="" type="checkbox"/></td><td>CH <input type="checkbox"/></td></tr> <tr><td colspan="6">Bedrock <input checked="" type="checkbox"/></td></tr> </table> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Describe <i>FLUSH AUGERS</i></p> <p>17. Source of water (attach analysis, if required): <i>CWC Co-op - Chil, WI</i></p>			GP <input type="checkbox"/>	GM <input type="checkbox"/>	GC <input type="checkbox"/>	GW <input type="checkbox"/>	SW <input type="checkbox"/>	SP <input type="checkbox"/>	SM <input type="checkbox"/>	SC <input type="checkbox"/>	ML <input type="checkbox"/>	MH <input type="checkbox"/>	CL <input checked="" type="checkbox"/>	CH <input type="checkbox"/>	Bedrock <input checked="" type="checkbox"/>					
GP <input type="checkbox"/>	GM <input type="checkbox"/>	GC <input type="checkbox"/>	GW <input type="checkbox"/>	SW <input type="checkbox"/>	SP <input type="checkbox"/>															
SM <input type="checkbox"/>	SC <input type="checkbox"/>	ML <input type="checkbox"/>	MH <input type="checkbox"/>	CL <input checked="" type="checkbox"/>	CH <input type="checkbox"/>															
Bedrock <input checked="" type="checkbox"/>																				
E. Bentonite seal, top	1.0 ft. MSL or _____ ft.																			
F. Fine sand, top	5.4 ft. MSL or _____ ft.																			
G. Filter pack, top	6.4 ft. MSL or _____ ft.																			
H. Screen joint, top	7.4 ft. MSL or _____ ft.																			
I. Well bottom	22.4 ft. MSL or _____ ft.																			
J. Filter pack, bottom	23.0 ft. MSL or _____ ft.																			
K. Borehole, bottom	23.6 ft. MSL or _____ ft.																			
L. Borehole, diameter	8.0 in.																			
M. O.D. well casing	23.7 in.																			
N. I.D. well casing	2.02 in.																			
<p>1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: <i>9.0 in.</i> b. Length: <i>1.4 ft.</i> c. Material: <i>Steel</i> <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/></p> <p>d. Additional protection? If yes, describe: <i>NONE - TEMPORARY LOCATION</i></p> <p>3. Surface seal: <i>Bentonite</i> <input type="checkbox"/> 30 <i>Concrete</i> <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/></p> <p>4. Material between well casing and protective pipe: <i>Bentonite</i> <input type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above</p> <p>f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size <i>BADGER BB 7</i></p> <p>8. Filter pack material: Manufacturer, product name & mesh size <i>BADGER RED FLINT #40</i></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: <i>PVC</i> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer <i>NORTHERN AIR</i> <i>0.010 in.</i> c. Slot size: <i>15.0 in.</i> d. Slotted length:</p> <p>11. Backfill material (below filter pack): <i>None</i> <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/></p>																				

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

Signature *Bob Eggen*Firm *EARTH TECH, INC*

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

Facility/Project Name <u>CULI - CONTAMINANT INVESTIGATION</u>		Local Grid Location of Well Lat. <input type="checkbox"/> N. <input checked="" type="checkbox"/> S. Long. <input type="checkbox"/> E. <input checked="" type="checkbox"/> W.	Well Name <u>TW-2</u>
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. <input type="checkbox"/> " Long. <input type="checkbox"/> "	Wis. Unique Well No. <u>P P 806</u> DNR Well ID No. <u>0 L 1 8 1 2 0 2 5</u>
Facility ID		St. Plane <input type="checkbox"/> ft. N. <input type="checkbox"/> ft. E. S/C/N	Date Well Installed <u>m m d d y y y y</u>
Type of Well		Section Location of Waste/Source <u>1/4 of SW 1/4 of Sec 26 T. 25 N. R. 1</u>	Well Installed By: Name (first, last) and Firm <u>WES / MDR</u> <u>BOART LONGYEAR</u>
Distance from Waste/ Source	Enf. Stds. ft. Apply <input checked="" type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input checked="" type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number
<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p>			
<p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0.2 Air <input type="checkbox"/> 0.1 Drilling Mud <input type="checkbox"/> 0.3 None <input checked="" type="checkbox"/> 9.9</p> <p>16. Drilling additives used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Describe <u>AVGERT PLUS 1</u></p> <p>17. Source of water (attach analysis, if required): <u>CWC Co-op</u></p>			
E. Bentonite seal, top	1.0 ft. MSL or _____ ft.	1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No	
F. Fine sand, top	5.0 ft. MSL or _____ ft.	2. Protective cover pipe: a. Inside diameter: <u>9.0 in.</u> b. Length: <u>1.4 ft.</u> c. Material: Steel <input checked="" type="checkbox"/> 0.4 Other <input type="checkbox"/>	
G. Filter pack, top	6.0 ft. MSL or _____ ft.	d. Additional protection? If yes, describe: <u>NONE - TEMPORARY LOCATION</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No
H. Screen joint, top	7.0 ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 3.0 Concrete <input type="checkbox"/> 0.1 Other <input checked="" type="checkbox"/>	
I. Well bottom	22.0 ft. MSL or _____ ft.	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3.0 Other <input type="checkbox"/>	
J. Filter pack, bottom	23.0 ft. MSL or _____ ft.	5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3.3 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 3.5 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 3.1 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 5.0 e. _____ Ft ³ volume added for any of the above	
K. Borehole, bottom	23.0 ft. MSL or _____ ft.	f. How installed: Tremie <input type="checkbox"/> 0.1 Tremie pumped <input type="checkbox"/> 0.2 Gravity <input type="checkbox"/> 0.8	
L. Borehole, diameter	8.0 in.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3.3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3.2 c. _____ Other <input type="checkbox"/>	
M. O.D. well casing	23.7 in.	7. Fine sand material: Manufacturer, product name & mesh size a. <u>BADGER BB 7</u>	
N. I.D. well casing	2.02 in.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>BADGER RED FLINT #40</u> b. Volume added <u>450 lbs ft³</u>	
<p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2.3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2.4 Other <input type="checkbox"/> </p> <p>10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 1.1 Continuous slot <input type="checkbox"/> 0.1 Other <input type="checkbox"/> </p> <p>b. Manufacturer <u>NORTHERN AIR</u> c. Slot size: <u>0.010 in.</u> d. Slotted length: <u>1.0 ft.</u></p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1.4 Other <input type="checkbox"/> </p>			

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

Signature <u>Pat Egan</u>	Firm <u>EARTH TECH, INC</u>
---------------------------	-----------------------------

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

Facility/Project Name <i>CHL - CONTAMINANT INVESTIGATION</i>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name <i>TW-3</i>	
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. <input type="checkbox"/> " Long. <input type="checkbox"/> " or		Wis. Unique Well No. <i>DP803</i> DNR Well ID No. <i>CL11912005</i>	
Facility ID		St. Plane <input type="checkbox"/> ft. N. <input type="checkbox"/> ft. E. S/C/N		Date Well Installed <i>mm yy</i>	
Type of Well		Section Location of Waste/Source <i>NW 1/4 of Sec 26, T. 25 N. R. 1 S. 16 E.</i>		Well Installed By: Name (first, last) and Firm <i>WES LINDHOFF</i> <i>BOART LONGYEAR</i>	
Distance from Waste/Source	ft.	Enf. Stds. <input type="checkbox"/> Apply <input checked="" type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number	
A. Protective pipe, top elevation	ft. MSL			1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
B. Well casing, top elevation	ft. MSL			2. Protective cover pipe: a. Inside diameter: <i>9.6 in.</i> b. Length: <i>1.4 ft.</i> c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No	
C. Land surface elevation	ft. MSL				
D. Surface seal, bottom	ft. MSL or ft.				
12. USCS classification of soil near screen:					
GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/>					
Bedrock <input checked="" type="checkbox"/>					
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>					
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99					
16. Drilling additives used? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>DID NOT FLUSH</i> Describe <i>Auger FLUSH</i>					
17. Source of water (attach analysis, if required): <i>TOWN OF FREMONT SHOP</i>					
E. Bentonite seal, top	1.0 ft. MSL or ft.			3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/>	
F. Fine sand, top	5.0 ft. MSL or ft.			4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input type="checkbox"/>	
G. Filter pack, top	6.0 ft. MSL or ft.			5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08	
H. Screen joint, top	7.0 ft. MSL or ft.			6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>	
I. Well bottom	22.0 ft. MSL or ft.			7. Fine sand material: Manufacturer, product name & mesh size a. <i>BADGER BB 7</i>	
J. Filter pack, bottom	22.5 ft. MSL or ft.			b. Volume added <i>50 lbs ft³</i>	
K. Borehole, bottom	22.5 ft. MSL or ft.			8. Filter pack material: Manufacturer, product name & mesh size a. <i>BADGER RED FLINT #40</i>	
L. Borehole, diameter	8.0 in.			b. Volume added <i>380 lbs ft³</i>	
M. O.D. well casing	3.7 in.			9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>	
N. I.D. well casing	2.02 in.			10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>	
11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input type="checkbox"/>					

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

Signature *Phil Engen* Firm *EARTH TECH, INC*

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

Facility/Project Name <i>CHL - CONTAMINANT INVESTIGATION</i>	Local Grid Location of Well R. <input type="checkbox"/> S. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <i>TW-4</i>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or St. Plane _____ ft. N. _____ ft. E. S/C/N	Wis. Unique Well No. <i>PP808</i> DNR Well ID No. _____ Date Well Installed <i>01/19/2005</i> m m d y y y
Facility ID	Section Location of Waste/Source <i>SW 1/4 of SW 1/4 of Sec. 23, T. 25 N.R. 1</i>	Well Installed By: Name (first, last) and Firm <i>WES LINHOFF</i> <i>BOART LONGYEAR</i>
Type of Well	Well Code <i>111 MH</i>	
Distance from Waste/Source ft.	Env. Stds. Apply <input checked="" type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known Gov. Lot Number _____
A. Protective pipe, top elevation	ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	ft. MSL	2. Protective cover pipe: a. Inside diameter: <i>9.6 in.</i> b. Length: <i>1.4 ft.</i> c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> Other <input checked="" type="checkbox"/>
C. Land surface elevation	ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <i>NONE - TEMPORARY LOCATION</i>
D. Surface seal, bottom	ft. MSL or ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen:	GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input type="checkbox"/> Other <input checked="" type="checkbox"/>
13. Sieve analysis performed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
14. Drilling method used:	Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/> Other <input checked="" type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		7. Fine sand material: Manufacturer, product name & mesh size a. <i>BADGER BB 7</i>
16. Drilling additives used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	b. Volume added <i>30 lbs ft³</i> 8. Filter pack material: Manufacturer, product name & mesh size a. <i>BADGER RED FLINT #40</i> b. Volume added <i>425 lbs ft³</i>
Describe <i>Auger flush</i>		9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/> Other <input checked="" type="checkbox"/>
17. Source of water (attach analysis, if required): <i>TOWN OF FREMONT SHOP</i>		10. Screen material: <i>PVC</i> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> Other <input checked="" type="checkbox"/>
E. Bentonite seal, top	1.0 ft. MSL or ft.	b. Manufacturer <i>NORTHERN AIR</i> 0.010 in. c. Slot size: <i>15.0 in.</i> d. Slotted length: <i>14</i>
F. Fine sand, top	5.0 ft. MSL or ft.	
G. Filter pack, top	6.0 ft. MSL or ft.	
H. Screen joint, top	7.0 ft. MSL or ft.	
I. Well bottom	22.0 ft. MSL or ft.	
J. Filter pack, bottom	22.5 ft. MSL or ft.	
K. Borehole, bottom	22.5 ft. MSL or ft.	
L. Borehole, diameter	8.0 in.	
M. O.D. well casing	2.37 in.	
N. I.D. well casing	2.02 in.	

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

Signature <i>Phil Hogan</i>	Firm <i>EARTH TECH, INC</i>
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Facility/Project Name <i>CHEM - CONTAMINANT INVESTIGATION</i>	Local Grid Location of Well ft. N. <input type="checkbox"/> S. <input type="checkbox"/> ft. E. <input type="checkbox"/> W.	Well Name MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ "	Wis. Unique Well No. PP871 DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N _____	Date Well Installed 04/20/2005
Type of Well	Section Location of Waste/Source SE 1/4 of SE 1/4 of Sec. 22 T. 25 N. R. 1 E. W.	Well Installed By: Name (first, last) and Firm WES / MHOFF <i>BOART LONGYEAR</i>
Distance from Waste/ Source UNKNOWN ft.	Enf. Stds. Apply <input checked="" type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known Gov. Lot Number _____
A. Protective pipe, top elevation	ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	ft. MSL	2. Protective cover pipe: a. Inside diameter: 9.0 in. b. Length: 1.4 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation	ft. MSL	d. Additional protection? If yes, describe: _____
D. Surface seal, bottom	ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other
12. USCS classification of soil near screen:	<p>GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/></p>	
13. Sieve analysis performed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other
14. Drilling method used:	Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
15. Drilling fluid used: Water <input checked="" type="checkbox"/> 0.2 Air <input type="checkbox"/> 0.1 Drilling Mud <input type="checkbox"/> 0.3 None <input checked="" type="checkbox"/> 9.9	E. Bentonite seal, top _____ ft. MSL or 1.0 ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other
16. Drilling additives used?	<input type="checkbox"/> Yes <input type="checkbox"/> No Describe _____	7. Fine sand material: Manufacturer, product name & mesh size a. BADGER BB 7
17. Source of water (attach analysis, if required):	Auger flush - TOWN OF FREMONT F.D.	
E. Bentonite seal, top	ft. MSL or 1.0 ft.	b. Volume added 50 lbs ft ³
F. Fine sand, top	ft. MSL or 8.0 ft.	8. Filter pack material: Manufacturer, product name & mesh size a. BADGER RED FLINT #40 b. Volume added 400 lbs ft ³
G. Filter pack, top	ft. MSL or 12.0 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other
H. Screen joint, top	ft. MSL or 13.0 ft.	
I. Well bottom	ft. MSL or 22.0 ft.	
J. Filter pack, bottom	ft. MSL or 23.0 ft.	
K. Borehole, bottom	ft. MSL or 23.0 ft.	
L. Borehole, diameter	8.0 in.	
M. O.D. well casing	2.37 in.	
N. I.D. well casing	2.02 in.	
10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other		
b. Manufacturer NORTHERN AIR 0.010 in. c. Slot size: 10.0 ft. d. Slotted length:		
11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other		

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

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

Facility/Project Name <u>CHL - CONTAMINANT INVESTIGATION</u>		Local Grid Location of Well N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-6</u>
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or St. Plane _____ ft. N., _____ ft. E. S/C/N	Wis. Unique Well No. <u>PP82Z</u> DNR Well ID No. _____
Facility ID		Section Location of Waste/Source <u>SW 1/4 of SW 1/4 of Sec. 23, T. 25 N.R. 1</u>	Date Well Installed <u>04/20/2005</u>
Type of Well Well Code <u>111 MW</u>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known Gov. Lot Number _____	Well Installed By: Name (first, last) and Firm <u>WES /MHoff</u> <u>BOART LONGYEAR</u>
Distance from Waste/ Source _____ ft.		Enf. Stds. Apply <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
A. Protective pipe, top elevation _____ ft. MSL		1. Cap and lock?	
B. Well casing, top elevation _____ ft. MSL		2. Protective cover pipe: a. Inside diameter: <u>9.6 in.</u> b. Length: <u>1.4 ft.</u> c. Material: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> 04 Other <input type="checkbox"/>	
C. Land surface elevation _____ ft. MSL		d. Additional protection? If yes, describe: _____	
D. Surface seal, bottom _____ ft. MSL or _____ ft.		3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>	
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/>		4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input type="checkbox"/>	
13. Sieve analysis performed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08	
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>		6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>	
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99		7. Fine sand material: Manufacturer, product name & mesh size a. <u>BADGER BB 7</u> b. Volume added <u>50 lbs</u> ft ³	
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____		8. Filter pack material: Manufacturer, product name & mesh size a. <u>BADGER RED FLINT #40</u> b. Volume added <u>475 lbs</u> ft ³	
17. Source of water (attach analysis, if required): _____		9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>	
E. Bentonite seal, top _____ ft. MSL or _____ ft.		10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>	
F. Fine sand, top _____ ft. MSL or _____ ft.		b. Manufacturer <u>NORTHERN AIR</u> 0.010 in. c. Slot size: <u>10.0 ft</u>	
G. Filter pack, top _____ ft. MSL or _____ ft.		d. Slotted length: <u>14</u>	
H. Screen joint, top _____ ft. MSL or _____ ft.		11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>	
I. Well bottom _____ ft. MSL or _____ ft.			
J. Filter pack, bottom _____ ft. MSL or _____ ft.			
K. Borehole, bottom _____ ft. MSL or _____ ft.			
L. Borehole, diameter _____ in.			
M. O.D. well casing _____ in.			
N. I.D. well casing _____ in.			

The diagram illustrates a monitoring well borehole with several concentric casings. From the outside in, the layers are: a thin outermost layer, followed by a thick annular space seal (Bentonite), then a thin inner layer, followed by a filter pack (Badger Red Flint #40), then another thin inner layer, followed by a thick annular space seal (Bentonite), then a thin inner layer, followed by a screen (Northern Air), and finally the innermost well casing (PVC). Arrows point from the corresponding form questions to the appropriate parts of the well diagram.

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

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

Facility/Project Name <u>GULI - CONTAMINANT INVESTIGATION</u>	Local Grid Location of Well Lat. _____ N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-7</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ "	Wis. Unique Well No. <u>PP823</u> DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>04/21/2005</u> m m d y y y y
Type of Well	Section Location of Waste/Source <u>NW 1/4 of NW 1/4 of Sec. 26 T. 25 N.R. 1 E. W.</u>	Well Installed By: Name (first, last) and Firm <u>WES /MHOFF</u>
Well Code <u>111 MW</u>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____
Distance from Waste/ Source ft.	Enf. Stds. Apply <input checked="" type="checkbox"/>	A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL	1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
C. Land surface elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>9.6 in.</u> b. Length: <u>1.4 ft.</u> c. Material: <u>Steel</u> <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
D. Surface seal, bottom _____ ft. MSL or _____ ft.	d. Additional protection? If yes, describe: _____
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/>	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
13. Sieve analysis performed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No Describe _____	7. Fine sand material: Manufacturer, product name & mesh size <u>a. BADGER BB 7</u>
E. Bentonite seal, top _____ ft. MSL or <u>-1.0 ft.</u>	8. Filter pack material: Manufacturer, product name & mesh size <u>a. BADGER RED FLINT #40</u>
F. Fine sand, top _____ ft. MSL or <u>-8.0 ft.</u>	b. Volume added <u>30 lbs</u> ft ³
G. Filter pack, top _____ ft. MSL or <u>-9.0 ft.</u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <u>-10.0 ft.</u>	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or <u>-20.0 ft.</u>	b. Manufacturer <u>NORTHERN AIR</u> c. Slot size: d. Slotted length: <u>0.010 in.</u> <u>10.0 ft.</u>
J. Filter pack, bottom _____ ft. MSL or <u>-21.0 ft.</u>	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or <u>-21.0 ft.</u>	
L. Borehole, diameter <u>8.0</u> in.	
M. O.D. well casing <u>2.37</u> in.	
N. I.D. well casing <u>2.02</u> in.	

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

Signature Phil Eagan Firm EARTH TECH, INC

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

Facility/Project Name <i>GUL - CONTAMINANT INVESTIGATION</i>	Local Grid Location of Well Lat. _____ N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name PZ-7
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or St. Plane _____ ft. N. _____ ft. E. S/C/N	Wis. Unique Well No. DNR Well ID No. PP8ZL
Facility ID	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. 25 N.R. 1 <input type="checkbox"/> E. <input type="checkbox"/> W.	Date Well Installed 04/21/2005 m m d y y y
Type of Well Well Code 121 PZ	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient Gov. Lot Number d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: Name (first, last) and Firm WES /MHoff BOART LONGYEAR
A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: 9.6 in. b. Length: 1.4 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>	
C. Land surface elevation _____ ft. MSL	d. Additional protection? If yes, describe: _____	
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>	
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input type="checkbox"/>	
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08	
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 AIR ROTARY Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>	
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size BADGER BB 7	
16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size BADGER RED FLINT #40	
E. Bentonite seal, top _____ ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>	
F. Fine sand, top _____ ft. MSL or 37.0 ft.	10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>	
G. Filter pack, top _____ ft. MSL or 39.0 ft.	b. Manufacturer NORTHERN AIR 0.21 in. c. Slot size: 10.0 ft. d. Slotted length:	
H. Screen joint, top _____ ft. MSL or 41.0 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>	
I. Well bottom _____ ft. MSL or 46.0 ft.		
J. Filter pack, bottom _____ ft. MSL or 50.0 ft.		
K. Borehole, bottom _____ ft. MSL or 50.0 ft.		
L. Borehole, diameter 6.0 in.		
M. O.D. well casing 2.37 in.		
N. I.D. well casing 2.02 in.		

The diagram illustrates a vertical monitoring well borehole. It shows concentric layers of different materials. Labels point to specific features: A points to the protective pipe at the top; B points to the well casing; C points to the land surface; D points to the bottom of the well; E points to the top of the bentonite seal; F points to the top of the fine sand; G points to the top of the filter pack; H points to the top of the screen joint; I points to the well bottom; J points to the bottom of the filter pack; K points to the bottom of the borehole; L points to the borehole diameter; M points to the outside diameter of the well casing; and N points to the inside diameter of the well casing. Arrows from the form questions point to these labeled features.

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

Signature *Phil Cagan*Firm *EARTH TECH, INC*

Facility/Project Name <i>CHEM-CONTAMINANT INVESTIGATION</i>	Local Grid Location of Well Lat. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <i>MW-8</i>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. <input type="checkbox"/> " Long. <input type="checkbox"/> " or	Wis. Unique Well No. <i>PP825</i> DNR Well ID No. <i>041Z112005</i>
Facility ID	St. Plane <input type="checkbox"/> ft. N. <input type="checkbox"/> ft. E. S/C/N	Date Well Installed <i>mm dd yy yy</i>
Type of Well	Section Location of Waste/Source <i>1/4 of 1/4 of Sec. 26, T. 25 N.R. 1 E.</i>	Well Installed By: Name (first, last) and Firm <i>WES/MHOF</i>
Well Code <i>111MW</i>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number
Distance from Waste/ Source ft.	Enf. Stds. Apply <input checked="" type="checkbox"/>	

A. Protective pipe, top elevation	ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	ft. MSL	2. Protective cover pipe: a. Inside diameter: <i>9.0 in.</i> b. Length: <i>1.4 ft.</i> c. Material: <i>Steel</i> <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation	ft. MSL	d. Additional protection? If yes, describe: <i>Bentonite</i> <input type="checkbox"/> 30 <i>Concrete</i> <input checked="" type="checkbox"/> 01 Other <i>L</i>
D. Surface seal, bottom	ft. MSL or ft.	3. Surface seal: <i>Bentonite</i> <input type="checkbox"/> 30 <i>Concrete</i> <input checked="" type="checkbox"/> 01 Other
12. USCS classification of soil near screen:		4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other
GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/>		5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. ____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. ____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. ____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. ____ ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
13. Sieve analysis performed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>		
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		
16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Describe _____		
17. Source of water (attach analysis, if required):		
E. Bentonite seal, top	ft. MSL or <i>4.0 ft.</i>	
F. Fine sand, top	ft. MSL or <i>7.0 ft.</i>	
G. Filter pack, top	ft. MSL or <i>8.0 ft.</i>	
H. Screen joint, top	ft. MSL or <i>10.0 ft.</i>	
I. Well bottom	ft. MSL or <i>20.0 ft.</i>	
J. Filter pack, bottom	ft. MSL or <i>21.0 ft.</i>	
K. Borehole, bottom	ft. MSL or <i>21.0 ft.</i>	
L. Borehole, diameter	<i>8.0 in.</i>	
M. O.D. well casing	<i>2.37 in.</i>	
N. I.D. well casing	<i>2.02 in.</i>	
10. Screen material: <i>PVC</i> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other		
b. Manufacturer <i>NORTHERN AIR</i> 0.010 in. c. Slot size: <i>1.0 in.</i> d. Slotted length:		
11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other		

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

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

Facility/Project Name <u>CHI - CONTAMINANT INVESTIGATION</u>	Local Grid Location of Well ft. N. <input type="checkbox"/> S. <input type="checkbox"/> ft. E. <input type="checkbox"/> W.	Well Name <u>MW-9</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or	Wis. Unique Well No. <u>PP 826</u> DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N _____	Date Well Installed <u>04/21/2005</u> m m d d y y y y
Type of Well	Section Location of Waste/Source <u>ANW 1/4 of NW 1/4 of Sec. 26 T. 25 N. R. 1</u> <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Installed By: Name (first, last) and Firm <u>WES / MHOFF</u>
Well Code _____ / _____	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient Gov. Lot Number _____ d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	BOART LONGYEAR

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>9.0 in.</u> b. Length: <u>4.0 ft.</u> c. Material: <u>Steel</u> <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input checked="" type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis performed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite & sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No Describe _____	7. Fine sand material: Manufacturer, product name & mesh size a. <u>BADGER BB 7</u> b. Volume added <u>25 lbs ft³</u>
17. Source of water (attach analysis, if required): _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>BADGER RED FLINT #40</u> b. Volume added <u>275 lbs ft³</u>
E. Bentonite seal, top _____ ft. MSL or <u>1.0 ft</u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>5.0 ft</u>	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
G. Filter pack, top _____ ft. MSL or <u>6.0 ft</u>	b. Manufacturer <u>NORTHERN AIR</u> c. Slot size: <u>0.010 in.</u> d. Sloited length: <u>10.0 ft</u>
H. Screen joint, top _____ ft. MSL or <u>7.0 ft</u>	
I. Well bottom _____ ft. MSL or <u>17.0 ft</u>	
J. Filter pack, bottom _____ ft. MSL or <u>18.0 ft</u>	
K. Borehole, bottom _____ ft. MSL or <u>18.0 ft</u>	
L. Borehole, diameter <u>8.0</u> in.	
M. O.D. well casing <u>2.37</u> in.	
N. I.D. well casing <u>2.02</u> in.	

The diagram illustrates a vertical monitoring well borehole. It shows concentric layers of materials: a outer protective cover pipe (9.0 in. dia., 4.0 ft long), a well casing (2.37 in. dia., 2.02 in. i.d.), a filter pack (6.0 ft thick), a screen joint (7.0 ft thick), a fine sand seal (5.0 ft thick), a bentonite seal (1.0 ft thick), and a borehole (8.0 in. dia.). The borehole extends to a depth of 18.0 ft below the land surface (MSL).

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

Signature

Phil Cogar

Firm

EARTH TECH, INC

Route to: Solid Waste Haz. Waste Wastewater
 Env. Response & Repair Underground Tanks Other

Facility/Project Name <u>CHICAGO, WI - CONTAMINANT INVESTIGATION</u>	County Name <u>CLARK</u>	Well Name <u>TW-1</u>
Facility License, Permit or Monitoring Number <u>PP805</u>	County Code <u>10</u>	Wis. Unique Well Number <u></u>
DNR Well Number <u></u>		

1. Can this well be purged dry?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Before Development	After Development
2. Well development method		11. Depth to Water (from top of well casing)	
surged with bailer and bailed	<input type="checkbox"/> 41	a. <u>9.50</u>	<u>9.87</u> ft
surged with bailer and pumped	<input type="checkbox"/> 61	b. <u>01/21/05</u>	<u>01/21/05</u>
surged with block and bailed	<input type="checkbox"/> 42	m m d d y y	m m d d y y
surged with block and pumped	<input type="checkbox"/> 62		
surged with block, bailed and pumped	<input type="checkbox"/> 70		
compressed air	<input type="checkbox"/> 20		
bailed only	<input type="checkbox"/> 10		
pumped only	<input type="checkbox"/> 51		
pumped slowly	<input type="checkbox"/> 50		
Other <u>SURGED WITH PUMP & PUMPED</u>	<input checked="" type="checkbox"/>		
3. Time spent developing well	<u>55</u> min.	12. Sediment in well bottom	<u>2.0</u> inches
4. Depth of well (from top of well casing)	<u>21.2</u> ft	13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>BROWN</u>
5. Inside diameter of well	<u>2.02</u> in.		Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 <u>LIGHT BROWN</u>
6. Volume of water in filter pack and well casing	<u>10.1</u> gal.		
7. Volume of water removed from well	<u>50.0</u> gal.	14. Total suspended solids	<u>-----</u> mg/l <u>-----</u> mg/l
8. Volume of water added (if any)	<u>0.0</u> gal.	15. COD	<u>-----</u> mg/l <u>-----</u> mg/l
9. Source of water added			
10. Analysis performed on water added?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, attach results)	Fill in if drilling fluids were used and well is at solid waste facility:	
16. Additional comments on development	<u>MODERATE RECOVERY</u>		

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>PHIL EAGAN</u>	Signature: <u>Phil Eagan</u>
Firm: <u>EARTH TECH, INC</u>	Print Initials: <u>PTE</u>
Firm: <u>EARTH TECH, INC.</u>	

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Route to: Solid Waste Haz. Waste Wastewater
 Env. Response & Repair Underground Tanks Other

Facility/Project Name <u>CHICAGO, WI - CONTAMINANT INVESTIGATION</u>	County Name <u>CLARK</u>	Well Name <u>TW-2</u>
Facility License, Permit or Monitoring Number <u>PP806</u>	County Code <u>10</u>	WIC Unique Well Number <u> </u>
DNR Well Number <u> </u>		

1. Can this well be purged dry? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Before Development	After Development
2. Well development method surged with bailer and bailed <input type="checkbox"/> 41 surged with bailer and pumped <input type="checkbox"/> 61 surged with block and bailed <input type="checkbox"/> 42 surged with block and pumped <input type="checkbox"/> 62 surged with block, bailed and pumped <input type="checkbox"/> 70 compressed air <input type="checkbox"/> 20 bailed only <input type="checkbox"/> 10 pumped only <input type="checkbox"/> 51 pumped slowly <input type="checkbox"/> 50 Other <u>SURGED WITH PUMP & PUMPED</u> <input checked="" type="checkbox"/>	a. <u>11.48</u> ft. Date <u>01/21/05</u> Time <u>10:20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>14.90</u> ft. <u>01/21/05</u> <u>12:05</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
3. Time spent developing well <u>105</u> min.	12. Sediment in well bottom _____ inches	_____ inches
4. Depth of well (from top of well casing) <u>21.7</u> in.	13. Water clarity Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>REDDISH BROWN</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 MODERATE (Describe) <u>YELLOWISH BROWN</u>
5. Inside diameter of well <u>2.02</u> in.	14. Total suspended solids _____ mg/l	_____ mg/l
6. Volume of water in filter pack and well casing <u>8.8</u> gal.	15. COD _____ mg/l	_____ mg/l
7. Volume of water removed from well <u>48.0</u> gal.	Fill in if drilling fluids were used and well is at solid waste facility:	
8. Volume of water added (if any) <u>0</u> gal.	10. Analysis performed on water added? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, attach results)	
9. Source of water added _____	16. Additional comments on development: <u>RECOVERED 5' IN 1:24' POOR/MODERATE RECOVERY</u>	
10. Analysis performed on water added? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, attach results)		

Well developed by: Person's Name and Firm Name: <u>PHIL EAGAN</u> Firm: <u>EARTH TECH, INC</u>	I hereby certify that the above information is true and correct to the best of my knowledge. Signature: <u>Phil Eagan</u> Print Initials: <u>P.E.</u> Firm: <u>EARTH TECH, INC.</u>
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NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Route 10: Solid Waste Haz. Waste Wastewater
 Env. Response & Repair Underground Tanks Other

Facility/Project Name <u>CHL, LLC - CONTAMINANT INVESTIGATION</u>	County Name <u>CLARK</u>	Well Name <u>TW-3</u>
Facility License, Permit or Monitoring Number <u>PP807</u>	County Code <u>10</u>	Wis. Unique Well Number [Shaded]
DNR Well Number [Shaded]		

1. Can this well be purged dry? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Before Development	After Development
2. Well development method surged with bailer and bailed <input type="checkbox"/> 41 surged with bailer and pumped <input type="checkbox"/> 61 surged with block and bailed <input type="checkbox"/> 42 surged with block and pumped <input type="checkbox"/> 62 surged with block, bailed and pumped <input type="checkbox"/> 70 compressed air <input type="checkbox"/> 20 bailed only <input type="checkbox"/> 10 pumped only <input type="checkbox"/> 51 pumped slowly <input type="checkbox"/> 50 Other <u>SURGED WITH PUMP & PUMPED</u> <input checked="" type="checkbox"/> [Shaded]	a. <u>12.99</u> ft.	<u>13.57</u> ft.
3. Time spent developing well <u>35</u> min.	Date <u>01/21/05</u> m m d d y y	<u>01/21/05</u> m m d d y y
4. Depth of well (from top of well casing) <u>21.4</u> ft.	Time <u>12:15</u> a.m. [Shaded] p.m.	<u>13:00</u> a.m. [Shaded] p.m.
5. Inside diameter of well <u>2.0</u> in.	12. Sediment in well bottom <u>2.0</u> inches	<u>0.0</u> inches
6. Volume of water in filter pack and well casing <u>7.0</u> gal.	13. Water clarity Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>YELLOWISH</u> <u>BROWN</u>	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 Slight (Describe) <u>LIGHT BROWN</u>
7. Volume of water removed from well <u>450</u> gal.		
8. Volume of water added (if any) <u>0.0</u> gal.		
9. Source of water added		
10. Analysis performed on water added? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, attach results)	14. Total suspended solids <u>mg/l</u>	<u>mg/l</u>
16. Additional comments on development: <u>GOOD RECOVERY * AFTER SURGE, 1.5' DRAWDOWN</u> <u>@ 3-4 GPM</u>	15. COD <u>mg/l</u>	<u>mg/l</u>

Well developed by: Person's Name and Firm Name: <u>PHIL EAGAN</u> Firm: <u>EARTH TECH, INC</u>	I hereby certify that the above information is true and correct to the best of my knowledge. Signature: <u>Phil Eagan</u> Print Initials: <u>PTE</u> Firm: <u>EARTH TECH, INC.</u>
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NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Route 10: Solid Waste Haz. Waste Wastewater
Env. Response & Repair Underground Tanks Other

Facility/Project Name <i>CHICAGO, WI - CONTAMINANT INVESTIGATION</i>	County Name <i>CLARK</i>	Well Name <i>TW-4</i>
Facility License, Permit or Monitoring Number <i>PP 808</i>	County Code <i>10</i>	Wis Unique Well Number <i></i>

1. Can this well be purged dry?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Before Development	After Development
2. Well development method			
surged with bailer and bailed	<input type="checkbox"/> 41		
surged with bailer and pumped	<input type="checkbox"/> 61		
surged with block and bailed	<input type="checkbox"/> 42		
surged with block and pumped	<input type="checkbox"/> 62		
surged with block, bailed and pumped	<input type="checkbox"/> 70		
compressed air	<input type="checkbox"/> 20		
bailed only	<input type="checkbox"/> 10		
pumped only	<input type="checkbox"/> 51		
pumped slowly	<input type="checkbox"/> 50		
Other <i>SURGED WITH PUMP & PUMPED</i>	<input checked="" type="checkbox"/>		
3. Time spent developing well	<u>30</u> min.		
4. Depth of well (from top of well casing)	<u>21.2</u> ft		
5. Inside diameter of well	<u>2.02</u> in.		
6. Volume of water in filter pack and well casing	<u>5.2</u> gal.		
7. Volume of water removed from well	<u>45.0</u> gal.		
8. Volume of water added (if any)	<u>0.0</u> gal.		
9. Source of water added	<u></u>		
10. Analysis performed on water added?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)		
11. Depth to Water (from top of well casing)	<u>a - 15.15</u> ft.	<u>- 15.73</u> ft.	
Date	<u>01/31/05</u> m m d d y y	<u>01/31/05</u> m m d d y y	
Time	<u>13:15</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>13:45</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	
12. Sediment in well bottom	<u>1.0</u> inches	<u>0.0</u> inches	
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <i>BROWN</i>	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 <i>V. SLIGHT</i> (Describe) <i>LIGHT GRAY</i>	
14. Total suspended solids	<u>mg/l</u>	<u>mg/l</u>	
15. COD	<u>mg/l</u>	<u>mg/l</u>	

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

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

16. Additional comments on development:

MODERATE/GOOD RECOVERY - STRONG ODOOR

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>PHIL EAGAN</u>	Signature: <u>Phil Eagan</u>
Firm: <u>EARTH TECH, INC</u>	Print Initials: <u>PTE</u>
Firm: <u>EARTH TECH, INC</u>	

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Route to: Solid Waste Haz. Waste Wastewater
 Env. Response & Repair Underground Tanks Other

Facility/Project Name <u>CHILI WI - CONTAMINATION INVEST</u>	County Name <u>CLARK</u>	Well Name <u>MW-5</u>
Facility License, Permit or Monitoring Number	County Code <u>10</u>	Wis. Unique Well Number
		DNR Well Number

1. Can this well be purged dry?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Before Development	After Development
2. Well development method		11. Depth to Water (from top of well casing)	
surged with bailer and bailed	<input type="checkbox"/> 41	a. - <u>15.81</u> ft.	- <u>17.65</u> ft.
surged with bailer and pumped	<input type="checkbox"/> 61		
surged with block and bailed	<input type="checkbox"/> 42		
surged with block and pumped	<input type="checkbox"/> 62		
surged with block, bailed and pumped	<input type="checkbox"/> 70		
compressed air	<input type="checkbox"/> 20		
bailed only	<input type="checkbox"/> 10		
pumped only	<input type="checkbox"/> 51		
pumped slowly	<input type="checkbox"/> 50		
Other <u>SURGED + VACUUM PUMPED</u>	<input checked="" type="checkbox"/>		
3. Time spent developing well	- <u>15</u> min.	Date	<u>04/29/05</u> m m d d y y
4. Depth of well (from top of well casing)	- <u>21</u> ft.	Time	c. <u>12:15</u> <input checked="" type="checkbox"/> a.m. <u>12:30</u> <input checked="" type="checkbox"/> p.m.
5. Inside diameter of well	- <u>2.02</u> in.	12. Sediment in well bottom	- <u>5.0</u> inches <u>0.0</u> inches
6. Volume of water in filter pack and well casing	- - - gal.	13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>BROWN</u>
7. Volume of water removed from well	- <u>55.0</u> gal.		
8. Volume of water added (if any)	- <u>0</u> gal.		
9. Source of water added			
10. Analysis performed on water added?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)	14. Total suspended solids	- - - mg/l - - - mg/l
16. Additional comments on development:	<u>GOOD RECOVERY</u>		
Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.		
Name: <u>BILL MACCAUX</u>	Signature: <u>Phil Cogan</u>		
Firm: <u>JAVCO, INC</u>	Print Initials: <u>PJC</u>		
Firm: <u>EARTH TECH, INC</u>			

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Route 10: Solid Waste Haz. Waste Wastewater
Env. Response & Repair Underground Tanks Other

Facility/Project Name <u>CHILI WI - CONTAMINATION INVEST.</u>	County Name <u>Clark</u>	Well Name <u>MW-6</u>
Facility License, Permit or Monitoring Number <u>10</u>	County Code <u>10</u>	Wis. Unique Well Number <u></u>

1. Can this well be purged dry?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Before Development	After Development
2. Well development method			
surged with bailer and bailed	<input type="checkbox"/> 41	a. -14.7 ft.	-14.96 ft.
surged with bailer and pumped	<input type="checkbox"/> 61	b. 04/29/05	04/29/05
surged with block and bailed	<input type="checkbox"/> 42	m m d d y y	m m d d y y
surged with block and pumped	<input type="checkbox"/> 62		
surged with block, bailed and pumped	<input type="checkbox"/> 70	c. 10:25 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	10:40 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
compressed air	<input type="checkbox"/> 20		
bailed only	<input type="checkbox"/> 10		
pumped only	<input type="checkbox"/> 51		
pumped slowly	<input type="checkbox"/> 50		
Other <u>SURGED + VACUUM PUMPED</u>	<input checked="" type="checkbox"/>		
3. Time spent developing well	— 15 min.		
4. Depth of well (from top of well casing)	— 24.1 ft.		
5. Inside diameter of well	— 2.02 in.		
6. Volume of water in filter pack and well casing	— — — gal.		
7. Volume of water removed from well	— 45.0 gal.		
8. Volume of water added (if any)	— 0. gal.		
9. Source of water added	— — —		
10. Analysis performed on water added?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)		
11. Depth to Water (from top of well casing)			
Date	b. 04/29/05	m m d d y y	04/29/05
Time	c. 10:25 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	10:40 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	
12. Sediment in well bottom	— 0 inches	— 0 inches	— 0 inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>BROWN</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)	
14. Total suspended solids	— mg/l	— mg/l	
15. COD	— mg/l	— mg/l	

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

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

16. Additional comments on development: GOOD RECOVERY

Well developed by: Person's Name and Firm

Name: BILL MACCAUX

Firm: JVCO, INC

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

Signature: Phil Cagan

Print Initials: PJC

Firm: EARTH TECH, INC

Route to: Solid Waste Haz. Waste Wastewater
 Env. Response & Repair Underground Tanks Other

Facility/Project Name <u>CHILI WI - CONTAMINATION INVEST.</u>	County Name <u>CLARK</u>	Well Name <u>MW-7</u>
Facility License, Permit or Monitoring Number	County Code <u>10</u>	Wis. Unique Well Number DNR Well Number

1. Can this well be purged dry?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Before Development	After Development
2. Well development method		11. Depth to Water (from top of well casing)	
surged with bailer and bailed	<input type="checkbox"/> 41	a. <u>9.51</u> ft.	<u>14.00</u> ft.
surged with bailer and pumped	<input type="checkbox"/> 61		
surged with block and bailed	<input type="checkbox"/> 42		
surged with block and pumped	<input type="checkbox"/> 62		
surged with block, bailed and pumped	<input type="checkbox"/> 70		
compressed air	<input type="checkbox"/> 20		
bailed only	<input type="checkbox"/> 10		
pumped only	<input type="checkbox"/> 51		
pumped slowly	<input type="checkbox"/> 50		
Other <u>SURGED + VACUUM PUMPED</u>	<input checked="" type="checkbox"/>		
3. Time spent developing well	<u>25</u> min.	12. Sediment in well bottom	inches
4. Depth of well (from top of well casing)	<u>19.8</u> ft.	13. Water clarity	inches
5. Inside diameter of well	<u>2.02</u> in.	Clear <input type="checkbox"/> 10	<u>20</u>
6. Volume of water in filter pack and well casing	<u>—</u> gal.	Turbid <input checked="" type="checkbox"/> 15	<input type="checkbox"/> 25
7. Volume of water removed from well	<u>45.0</u> gal.	(Describe) <u>REDISH</u>	(Describe) <u>BROWN</u>
8. Volume of water added (if any)	<u>0</u> gal.		
9. Source of water added	<u>—</u>		
10. Analysis performed on water added?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)	14. Total suspended solids	mg/l
16. Additional comments on development:	<u>MODERATE RECOVERY</u>		

Well developed by: Person's Name and Firm Name: <u>BILL MACCAUX</u> Firm: <u>E-JAVCO, INC</u>	I hereby certify that the above information is true and correct to the best of my knowledge. Signature: <u>Phil Cagan</u> Print Initials: <u>PJC</u> Firm: <u>EARTH TECH, INC</u>
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Route to: Solid Waste Haz. Waste Wastewater
Env. Response & Repair Underground Tanks Other

Facility/Project Name <u>CHILL WI - CONTAMINATION INVEST</u>	County Name <u>CLARK</u>	Well Name <u>PZ-7</u>
Facility License, Permit or Monitoring Number	County Code <u>10</u>	Wis. Unique Well Number DNR Well Number

1. Can this well be purged dry?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Before Development		After Development	
2. Well development method					
surged with bailer and bailed	<input type="checkbox"/> 41			<u>-15.60</u> ft.	
surged with bailer and pumped	<input type="checkbox"/> 61			<u>-21.95</u> ft.	
surged with block and bailed	<input type="checkbox"/> 42			<i>PUMPING ADJACENT WELL</i>	
surged with block and pumped	<input type="checkbox"/> 62				
surged with block, bailed and pumped	<input type="checkbox"/> 70				
compressed air	<input type="checkbox"/> 20				
bailed only	<input type="checkbox"/> 10				
pumped only	<input type="checkbox"/> 51				
pumped slowly	<input type="checkbox"/> 50				
Other <u>SURGED + VACUUM PUMPED</u>	<input checked="" type="checkbox"/>				
3. Time spent developing well	<u>20</u> min.				
4. Depth of well (from top of well casing)	<u>46.3</u> ft.				
5. Inside diameter of well	<u>2.02</u> in.				
6. Volume of water in filter pack and well casing	<u>—</u> gal.				
7. Volume of water removed from well	<u>600</u> gal.				
8. Volume of water added (if any)	<u>0</u> gal.				
9. Source of water added	<u>—</u>				
10. Analysis performed on water added?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)				
11. Depth to Water (from top of well casing)	<u>a</u> <u>15.60</u> ft.				
Date	<u>b</u> <u>04/29/05</u>		<u>m m d d y y</u>		
Time	<u>c</u> <u>11:45</u>		<u>a.m.</u>		
12. Sediment in well bottom	<u>4.0</u> inches		<u>0.0</u> inches		
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>TAN</u>		Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)		
14. Total suspended solids	<u>—</u> mg/l		<u>—</u> mg/l		
15. COD	<u>—</u> mg/l		<u>—</u> mg/l		

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

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

16. Additional comments on development:
V. GOOD RECOVERY

Well developed by: Person's Name and Firm

Name: BILL MACCAUX

Firm: JAVCO, INC

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

Signature: Phil Eager

Print Initials: PJE

Firm: EARTH TECH, INC

Route 10: Solid Waste Haz. Waste Wastewater
 Env. Response & Repair Underground Tanks Other

Facility/Project Name <u>CHILI WI - CONTAMINATION INVEST.</u>	County Name <u>CLARK</u>	Well Name <u>MW-8</u>	
Facility License, Permit or Monitoring Number	County Code <u>10</u>	Wis. Unique Well Number [Shaded]	DNR Well Number [Shaded]

1. Can this well be purged dry? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Before Development	After Development
2. Well development method surged with bailer and bailed <input type="checkbox"/> 41 surged with bailer and pumped <input type="checkbox"/> 61 surged with block and bailed <input type="checkbox"/> 42 surged with block and pumped <input type="checkbox"/> 62 surged with block, bailed and pumped <input type="checkbox"/> 70 compressed air <input type="checkbox"/> 20 bailed only <input type="checkbox"/> 10 pumped only <input type="checkbox"/> 51 pumped slowly <input type="checkbox"/> 50 Other <u>SURGED + VACUUM PUMPED</u> <input checked="" type="checkbox"/>	a. Depth to Water (from top of well casing) <u>-13.4 ft.</u>	b. Depth to Water (from top of well casing) <u>-17.5 ft.</u>
3. Time spent developing well <u>40 min.</u>	Date <u>04/29/05</u> m m d d y y	Date <u>04/29/05</u> m m d d y y
4. Depth of well (from top of well casing) <u>19.4 ft.</u>	Time <u>12:40</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	Time <u>13:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
5. Inside diameter of well <u>2.02 in.</u>	12. Sediment in well bottom <u>2.0 inches</u>	inches
6. Volume of water in filter pack and well casing <u>40 gal.</u>	13. Water clarity Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>DARK BROWN</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>V. SLIGHT BROWN</u>
7. Volume of water removed from well <u>40 gal.</u>	14. Total suspended solids <u>mg/l</u>	<u>mg/l</u>
8. Volume of water added (if any) <u>0 gal.</u>	15. COD <u>mg/l</u>	<u>mg/l</u>
9. Source of water added		
10. Analysis performed on water added? (If yes, attach results) <input type="checkbox"/> Yes <input type="checkbox"/> No		
16. Additional comments on development: <u>POOR RECOVERY</u>		

Well developed by: Person's Name and Firm Name: <u>BILL MACCAUX</u> Firm: <u>JAVCO, INC</u>	I hereby certify that the above information is true and correct to the best of my knowledge. Signature: <u>Phil Cagan</u> Print Initials: <u>PJC</u> Firm: <u>EARTH TECH, INC</u>
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NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Route to: Solid Waste Haz. Waste Wastewater
Env. Response & Repair Underground Tanks Other

Facility/Project Name <u>CHILI WI - CONTAMINATION INVEST.</u>	County Name <u>CLARK</u>	Well Name <u>MW-9</u>
Facility License, Permit or Monitoring Number	County Code <u>10</u>	Wis. Unique Well Number [Shaded Area]

1. Can this well be purged dry?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Before Development	After Development
2. Well development method		11. Depth to Water (from top of well casing)	
surged with bailer and bailed	<input type="checkbox"/> 41	a. <u>8.32</u> ft.	<u>12.75</u> ft.
surged with bailer and pumped	<input type="checkbox"/> 61	Date	<u>04/29/05</u> m m d d y y
surged with block and bailed	<input type="checkbox"/> 42	Time	<u>10:50</u> <input type="checkbox"/> a.m. <u>11:10</u> <input type="checkbox"/> p.m.
surged with block and pumped	<input type="checkbox"/> 62	12. Sediment in well bottom	<u>3.0</u> inches
surged with block, bailed and pumped	<input type="checkbox"/> 70	13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>BROWN</u>
compressed air	<input type="checkbox"/> 20		
bailed only	<input type="checkbox"/> 10		
pumped only	<input type="checkbox"/> 51		
pumped slowly	<input type="checkbox"/> 50		
Other <u>SURGED + VACUUM PUMPED</u>	<input checked="" type="checkbox"/>		
3. Time spent developing well	<u>20</u> min.		
4. Depth of well (from top of well casing)	<u>16.1</u> ft.		
5. Inside diameter of well	<u>2.0</u> in.		
6. Volume of water in filter pack and well casing	<u>14</u> gal.		
7. Volume of water removed from well	<u>40.0</u> gal.		
8. Volume of water added (if any)	<u>0</u> gal.		
9. Source of water added			
10. Analysis performed on water added?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)	14. Total suspended solids	<u>mg/l</u>
16. Additional comments on development:	<u>SLOW / MODERATE RECOVERY</u>		

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>BILL MACCAUX</u>	Signature: <u>Bill Eggers</u>
Firm: <u>JAVCO, INC</u>	Print Initials: <u>PJE</u>
Firm: <u>EARTH TECH, INC</u>	

This form is required by the Department of Natural Resources (DNR) to ensure that the remediation of petroleum contaminated soil and water is in compliance with NR 158, NR 500-540, NR 419 and NR 445, Wis. Adm. Code. Failure to comply with applicable statutes and administrative rules may lead to violations of chapters 285, 289, and 291, Wis. Stats. and may result in forfeitures of not less than \$10 or more than \$25,000 for each violation, pursuant to ss. 285.87(1), 291.97(1), and 299.97, Wis. Stats., or fines of not less than \$100 or more than \$150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 291.97(2), Wis. Stats. Each day of a continuing violation constitutes a separate violation. Except for the remediation of virgin petroleum spills, this form needs to be submitted to the DNR 10 business days prior to the commencement of the remediation. Personally identifiable information found on this form is not intended to be used for any other purpose.

DIRECTIONS: 1) complete both sides of the form. 2) Have the responsible party sign the form. This signature certifies that the information on this form and in all supporting documents is accurate. 3) Submit the form with supporting documentation, lab reports and any maps to the appropriate Region Air Management Program at least 10 business days prior to the commencement of remediation. 4) Submit a copy of this form to the DNR project manager and retain a copy for your records.

PART I - GENERAL INFORMATION

Site Name & Address: PETROLEUM CONTAMINATION INVESTIGATION TOWN OF FREMONT CHILI, WI 54420	Date of Form Completion: JUNE 2, 2005
Site Number: WDNR BRRTS No 02-10-517968	Do Other Remediation Systems Exist at This Site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
County: CLARK	Site Type: <input checked="" type="checkbox"/> LUST <input type="checkbox"/> ERP <input type="checkbox"/> CERCLA <input type="checkbox"/> Other, Explain:
Responsible Party Name & Address: WISCONSIN DEPT. OF NATURAL RESOURCES 101 SOUTH WEBSTER STREET MADISON, WI 53703	Responsible Party Signature: TOM KENDZIERSKI Telephone Number: (715) 839-16
Consulting Firm Name & Address: EARTH TECH, INC. 200 INDIANA AVE. STEVENS POINT, WI 54481	Consulting Firm Contact: DAVE SENFELDS Telephone Number: (715) 342-3039

PART II - SOIL AND WATER DATA (Attach Lab Reports and Calculations)

Type of Contamination:	<input checked="" type="checkbox"/> Gasoline <input type="checkbox"/> Diesel <input type="checkbox"/> Fuel Oil <input type="checkbox"/> Waste Oil									
	<input type="checkbox"/> Chlorinated Organics <input type="checkbox"/> Other: _____									
Soil Concentration: 4 CONTAMINATED 55-GAL DRUMS, 7 NON-CONTAMINATED 55-GALLON DRUMS										
GRO: ETHYLBENZENE	9.35	mg/kg/10 ⁶	x	2800 lb/yd ³	x	1.01	yd ³	=	0.0264	lb
DRO: TOLUENE	9.71	mg/kg/10 ⁶	x	2800 lb/yd ³	x	1.01	yd ³	=	0.0274	lb
Benzene:	2.13	mg/kg/10 ⁶	x	2800 lb/yd ³	x	1.01	yd ³	=	0.0060	lb
Chlorinated Organics:	47.8	mg/kg/10 ⁶	x	2800 lb/yd ³	x	1.01	yd ³	=	0.1352	lb
Other: Xylenes										
Water Concentration:										
GRO:	_____	mg/L	DRO:	_____	mg/L	Benzene:	_____	mg/L		
Chlorinated Organics: _____ mg/L Other: _____ mg/L										

PART III - TREATMENT OR DISPOSAL FACILITY INFORMATION

Treatment/Disposal Facility Name & Address: <i>LINCOLN COUNTY SANITARY LANDFILL N 4750 LANDFILL LANE MERRILL, WI 54452</i>	Facility ID: <i>3141 LF-LARGE</i>
Facility Contact: <i>BOB REICHELT</i>	Air Pollution Control Permit Number:
Telephone Number: <i>(715) 536-9636</i>	Facility Located in 10-county Area in Southeast Wisconsin? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Headquarter Address: <i>SAME AS ABOVE</i>	Distance to Nearest Residence or Business:
	<u>Portable Sources Only:</u> Has a Portable Source Relocation Notification (Form 4500-25) Been Submitted for This Location? <input type="checkbox"/> Yes <input type="checkbox"/> No

PART III - SOIL VACUUM EXTRACTION OR GROUNDWATER REMEDIATION

Site Contact :	<u>Proposed Operations:</u> (Attach Calculations)
Telephone Number: ()	Anticipated Start-Up Date:
<u>Site Located in 10-county Area in Southeast Wisconsin?</u> <input type="checkbox"/> Yes <input type="checkbox"/> No	Estimated Project Duration:
Distance to Nearest Residence or Business:	Number of Wells:
<u>Pilot Test/Soil Venting Only:</u> (Attach Lab Reports and Calculations)	Number of Emission Points:
Date of Test:	Stack Height:
Flow Rate (scfm):	Maximum Equipment Flow Rate (scfm or gpm):
Total Withdrawal of Air (scf):	Total VOC Emission Rate (lb/hr):
Total VOC Emission Rate (lb/hr):	Benzene Emission Rate (lb/hr):
Benzene Emission Rate (lb/hr):	Benzene Emission Rate (lb/yr):

PART III - OTHER REMEDIATION METHODS (Attach Lab Reports and Calculations)

Proposing Other Remediation Method? <input type="checkbox"/> Yes	Method Name: _____
Attach a project description for other remediation methods including landspreading, passive aeration and bioremediation. At a minimum, the information submitted should include the following items (with any supporting lab reports and calculations):	
<ul style="list-style-type: none"> ✓ Address/Location of Remediation Site - Indicate if this location is in the 10-county area in Southeast Wisconsin and the distance to the nearest residence or business. Include a map or site plan if appropriate. ✓ Description of Remediation Method. ✓ Project Contact & Telephone Number. ✓ Anticipated Start-Up and Estimated Project Duration. ✓ Highest Estimated Hourly VOC Emissions. ✓ Highest Estimated Hourly and Annual Benzene Emissions. ✓ Emission Testing Methodology. ✓ Final Destination of Soil. 	

LINCOLN COUNTY LANDFILL 715-535-9636
N4750 Landfill Lane, Merrill, WI 54452

Operating Hours Monday-Friday SUMMER 7:00 am - 4:00 pm WINTER 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 6/3/2005 TICKET #: 24177 Vehicle #:

Time In: 02:46 PM Time Out: 03:09 PM

BILL TO: Sgs Inc. HAULER: Sgs Inc.

JOB #: 198 - Town of Freemont - Chilli

\$18 ton (Con8) 3.68 tn

Gross: 17340 Tare: 10140 Net Weight: 7200

Scale Notes:

HAVE A NICE DAY!

Charge Transaction

Customer Signature Tom Wenzell Weighed By: Administrator
I certify that the waste in this vehicle complies with the Wisconsin Resource
law and the landfill bans. I also agree to pay 1.5% per month Late payment
charges after 30 days.

05-1174-03
Earth Tech: T-Freemont/

LINCOLN COUNTY LANDFILL 715-536-9636

N4750 Landfill Lane, Merrill, WI 54452

Operating Hours Monday-Friday SUMMER 7:00 am - 4:00 pm WINTER 8:00 am-4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 7/7/2005

TICKET #: 26426

Vehicle #:

Time In: 12:02 PM Time Out: 12:34 PM

BILL TO: Sgs Inc.

HAULER: Sgs Inc.

JOB #: 202 - Town of Freemont - Chili

\$18 ton(ConB)

1.79 tn

Gross: 16300

Tare: 12720

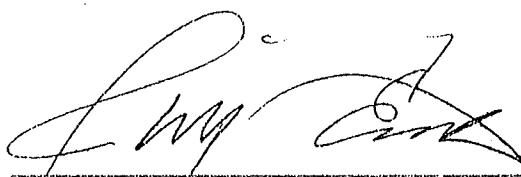
Net Weight: 3580

Scale Notes:

HAVE A NICE DAY!

Charge Transaction

Customer Signature



Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.



A Siemens Business

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

RECEIVED

February 10, 2005

FEB 14 2005

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, Wi 54481

EARTH TECH

Attn: Dave Senfelds

REPORT NO.: 170433

PROJECT NO.: 82060

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received January 28, 2005.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Envirosan Services for your analytical needs.

Sincerely,

USFilter, Envirosan Services

Eric A. Lorge
Project Manager

SOIL: TW-1
TW-2
TW-3
TW-4

*BACI CHECKED 8/29/05
ATE

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Envirosan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Envirosan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by:

Certifications:

Wisconsin 737053130
Minnesota 055-999-302
Maryland 276

Oregon (WI-100001)
Illinois 200025
Washington C293



A Siemens Business

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Sample Summary

170433.2

Lab Id	Client Sample ID	Date/Time	Matrix
170433	MEOH BLANK-USF	01/18/05	SOIL
170434	TW1 7-8'	01/18/05 10:50	SOIL
170435	TW2 9-10'	01/18/05 15:15	SOIL
170436	MEOH BLANK-USF	01/19/05	SOIL
170437	TW3 12-13'	01/19/05 10:35	SOIL
170438	TW4 8.5-9.5'	01/19/05 14:10	SOIL

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection (Not dilution corrected)

µg/l = Micrograms per liter = parts per billion (ppb)

LOQ = Limit of Quantitation (Not dilution corrected)

µg/kg = Micrograms per kilogram = parts per billion (ppb)

< = Less Than

mg/l = Milligrams per liter = parts per million (ppm)

COMP = Complete

mg/kg = Milligrams per kilogram = parts per million (ppm)

SUBCON = Subcontracted analysis

NOT PRES = Not Present

mV = millivolts

ppth = Parts per thousand

pCi/l = picocurie per liter

(S) = Surrogate Compound

ml/l = mililiters/Liter

mg/m³ = Milligrams/meter cube

mg = milligrams

ng/l = Nanograms per liter



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PROJECT NO.: 82060
REPORT NO.: 170433.3
DATE REC'D: 01/28/05
REPORT DATE: 02/10/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: MECH BLANK-USF Matrix: SOIL Sample Date/Time: 01/18/05 Lab No. 170433

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
Bromobenzene	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
Bromodichloromethane	<0.025	mg/l	0.006	0.02	1		01/31/05	LMP
n-Butylbenzene	<0.025	mg/l	0.012	0.04	1		01/31/05	LMP
sec-Butylbenzene	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
tert-Butylbenzene	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
Carbon Tetrachloride	<0.025	mg/l	0.008	0.027	1	CSH	01/31/05	LMP
Chlorobenzene	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
Chlorodibromomethane	<0.025	mg/l	0.02	0.067	1		01/31/05	LMP
Chloroethane	<0.025	mg/l	0.09	0.30	1		01/31/05	LMP
Chloroform	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
Chloromethane	<0.025	mg/l	0.01	0.033	1	LCL	01/31/05	LMP
2-Chlorotoluene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
4-Chlorotoluene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/l	0.009	0.03	1		01/31/05	LMP
1,2-Dibromoethane	<0.025	mg/l	0.012	0.04	1		01/31/05	LMP
1,2-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
1,3-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
1,4-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
Dichlorodifluoromethane	<0.025	mg/l	0.014	0.047	1	LCL	01/31/05	LMP
1,1-Dichloroethane	<0.025	mg/l	0.009	0.03	1		01/31/05	LMP
1,2-Dichloroethane	<0.025	mg/l	0.005	0.017	1		01/31/05	LMP
1,1-Dichloroethylene	<0.025	mg/l	0.016	0.053	1		01/31/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
1,2-Dichloropropane	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
1,3-Dichloropropane	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
2,2-Dichloropropane	<0.025	mg/l	0.008	0.027	1	CSH	01/31/05	LMP
Ethylbenzene	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
Hexachlorobutadiene	<0.025	mg/l	0.015	0.05	1		01/31/05	LMP
Isopropylbenzene	<0.025	mg/l	0.009	0.03	1		01/31/05	LMP
Isopropyl Ether	<0.025	mg/l	0.014	0.047	1		01/31/05	LMP
p-Isopropyltoluene	<0.025	mg/l	0.011	0.037	1		01/31/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/l	0.018	0.06	1	DUP	01/31/05	LMP
Methylene Chloride	<0.025	mg/l	0.014	0.047	1		01/31/05	LMP
Naphthalene	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
n-Propylbenzene	<0.025	mg/l	0.009	0.03	1		01/31/05	LMP
Tetrachloroethylene	<0.025	mg/l	0.009	0.03	1		01/31/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/l	0.006	0.02	1	CSH	01/31/05	LMP
Toluene	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/l	0.014	0.047	1		01/31/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/l	0.014	0.047	1		01/31/05	LMP
1,1,1-Trichloroethane	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
1,1,2-Trichloroethane	<0.025	mg/l	0.006	0.02	1		01/31/05	LMP
Trichloroethylene	<0.025	mg/l	0.011	0.037	1		01/31/05	LMP
Trichlorofluoromethane	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
1,2,4-Trimethylbenzene	<0.025	mg/l	0.012	0.04	1		01/31/05	LMP
1,3,5-Trimethylbenzene	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
Vinyl Chloride	<0.025	mg/l	0.018	0.06	1	LCL	01/31/05	LMP
m- & p-Xylene	<0.025	mg/l	0.015	0.05	1		01/31/05	LMP
o-Xylene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
PID Surrogate Recovery (S)	96.0	%	-	-	1		01/31/05	LMP
HALL Surrogate Recovery (S)	112.	%	-	-	1		01/31/05	LMP



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PROJECT NO.: 82060
REPORT NO. : 170433.4
DATE REC'D : 01/28/05
REPORT DATE: 02/10/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW1 7-8' Matrix: SOIL Sample Date/Time: 01/18/05 10:50 Lab No. 170434

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 160.3								
Total Solids	86.0	%	-	0.33	-		01/31/05	BFV
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)								
Benzene	<0.025	mg/kg	0.008	0.027	1.1		01/31/05	LMP
Bromobenzene	<0.025	mg/kg	0.007	0.023	1.1		01/31/05	LMP
Bromodichloromethane	<0.025	mg/kg	0.006	0.02	1.1		01/31/05	LMP
n-Butylbenzene	<0.025	mg/kg	0.012	0.04	1.1		01/31/05	LMP
sec-Butylbenzene	<0.025	mg/kg	0.01	0.033	1.1		01/31/05	LMP
tert-Butylbenzene	<0.025	mg/kg	0.01	0.033	1.1		01/31/05	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.008	0.027	1.1	CSH	01/31/05	LMP
Chlorobenzene	<0.025	mg/kg	0.007	0.023	1.1		01/31/05	LMP
Chlorodibromomethane	<0.025	mg/kg	0.02	0.067	1.1		01/31/05	LMP
Chloroethane	<0.025	mg/kg	0.09	0.30	1.1		01/31/05	LMP
Chloroform	<0.025	mg/kg	0.01	0.033	1.1		01/31/05	LMP
Chloromethane	<0.025	mg/kg	0.01	0.033	1.1	LCL	01/31/05	LMP
2-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1.1		01/31/05	LMP
4-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1.1		01/31/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.009	0.03	1.1		01/31/05	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.012	0.04	1.1		01/31/05	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1.1		01/31/05	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1.1		01/31/05	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1.1		01/31/05	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.014	0.047	1.1	LCL	01/31/05	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.009	0.03	1.1		01/31/05	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.005	0.017	1.1		01/31/05	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.016	0.053	1.1		01/31/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.023	1.1		01/31/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.01	0.033	1.1		01/31/05	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.007	0.023	1.1		01/31/05	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.008	0.027	1.1		01/31/05	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.008	0.027	1.1	CSH	01/31/05	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.023	1.1		01/31/05	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.015	0.05	1.1		01/31/05	LMP
Isopropylbenzene	<0.025	mg/kg	0.009	0.03	1.1		01/31/05	LMP
Isopropyl Ether	<0.025	mg/kg	0.014	0.047	1.1		01/31/05	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.011	0.037	1.1		01/31/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.06	1.1	DUP	01/31/05	LMP
Methylene Chloride	<0.025	mg/kg	0.014	0.047	1.1		01/31/05	LMP
Naphthalene	<0.025	mg/kg	0.01	0.033	1.1		01/31/05	LMP
n-Propylbenzene	<0.025	mg/kg	0.009	0.03	1.1		01/31/05	LMP
Tetrachloroethylene	<0.025	mg/kg	0.009	0.03	1.1		01/31/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.006	0.02	1.1	CSH	01/31/05	LMP
Toluene	<0.025	mg/kg	0.007	0.023	1.1		01/31/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1.1		01/31/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1.1		01/31/05	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.008	0.027	1.1		01/31/05	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.006	0.02	1.1		01/31/05	LMP
Trichloroethylene	<0.025	mg/kg	0.011	0.037	1.1		01/31/05	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.008	0.027	1.1		01/31/05	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1.1		01/31/05	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.033	1.1		01/31/05	LMP
Vinyl Chloride	<0.025	mg/kg	0.018	0.06	1.1	LCL	01/31/05	LMP

All results calculated on a dry weight basis.



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200 Indiana Ave
Stevens Point, WI 54481

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PROJECT NO.: 82060
REPORT NO. : 170433.5
DATE REC'D : 01/28/05
REPORT DATE: 02/10/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW1 7-8' Matrix: SOIL Sample Date/Time: 01/18/05 10:50 Lab No. 170434

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)								
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1.1		01/31/05	LMP
o-Xylene	<0.025	mg/kg	0.008	0.027	1.1		01/31/05	LMP
PID Surrogate Recovery (S)	104.	%	-	-	1.1		01/31/05	LMP
HALL Surrogate Recovery (S)	103.	%	-	-	1.1		01/31/05	LMP
EPA 8310								
Acenaphthene	<0.00547	mg/kg	0.0047	0.016	1		02/03/05	LMP
Acenaphthylene	<0.00767	mg/kg	0.0066	0.022	1		02/03/05	LMP
Anthracene	<0.00244	mg/kg	0.0021	0.007	1		02/03/05	LMP
Benzo(a)Anthracene	<0.00477	mg/kg	0.0041	0.014	1		02/03/05	LMP
Benzo(a)Pyrene	<0.00267	mg/kg	0.0023	0.0077	1		02/03/05	LMP
Benzo(b)Fluoranthene	<0.00244	mg/kg	0.0021	0.007	1		02/03/05	LMP
Benzo(k)Fluoranthene	<0.00337	mg/kg	0.0029	0.0097	1		02/03/05	LMP
Benzo(ghi)Perylene	<0.00244	mg/kg	0.0021	0.007	1		02/03/05	LMP
Chrysene	<0.00267	mg/kg	0.0023	0.0077	1		02/03/05	LMP
Dibenzo(a,h)Anthracene	<0.00163	mg/kg	0.0014	0.0047	1	CSH	02/03/05	LMP
Fluoranthene	<0.00256	mg/kg	0.00221	0.0074	1		02/03/05	LMP
Fluorene	<0.00233	mg/kg	0.002	0.0067	1		02/03/05	LMP
Indeno(1,2,3-cd)Pyrene	<0.00186	mg/kg	0.0016	0.0053	1		02/03/05	LMP
1-Methyl Naphthalene	<0.00407	mg/kg	0.0035	0.012	1		02/03/05	LMP
2-Methyl Naphthalene	<0.00477	mg/kg	0.0041	0.014	1		02/03/05	LMP
Naphthalene	<0.00186	mg/kg	0.0016	0.0053	1		02/03/05	LMP
Phenanthrene	<0.00267	mg/kg	0.0023	0.0077	1		02/03/05	LMP
Pyrene	<0.00244	mg/kg	0.0021	0.007	1		02/03/05	LMP
9,10-Diphenylanthracene (S)	105.	%	-	-	1		02/03/05	LMP
Method 3550 Ultrasonic Ext.		COMP	-	-	-		02/01/05	JEG

All results calculated on a dry weight basis.



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Stevens Point, WI 54481

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WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 170433.6
DATE REC'D.: 01/28/05
REPORT DATE: 02/10/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW2 9-10' Matrix: SOIL Sample Date/Time: 01/18/05 15:15 Lab No. 170435

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 160.3								
Total Solids	85.0	%	-	0.33	-		01/31/05	BFV
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)								
Benzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
Bromobenzene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
Bromodichloromethane	<0.025	mg/kg	0.006	0.02	1		01/31/05	LMP
n-Butylbenzene	<0.025	mg/kg	0.012	0.04	1		01/31/05	LMP
sec-Butylbenzene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
tert-Butylbenzene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.008	0.027	1	CSH	01/31/05	LMP
Chlorobenzene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
Chlorodibromomethane	<0.025	mg/kg	0.02	0.067	1		01/31/05	LMP
Chloroethane	<0.025	mg/kg	0.09	0.30	1		01/31/05	LMP
Chloroform	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
Chloromethane	<0.025	mg/kg	0.01	0.033	1	LCL	01/31/05	LMP
2-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
4-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.012	0.04	1		01/31/05	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.014	0.047	1	LCL	01/31/05	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.005	0.017	1		01/31/05	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.016	0.053	1		01/31/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.008	0.027	1	CSH	01/31/05	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.015	0.05	1		01/31/05	LMP
Isopropylbenzene	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
Isopropyl Ether	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.011	0.037	1		01/31/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.06	1	DUP	01/31/05	LMP
Methylene Chloride	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
Naphthalene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
n-Propylbenzene	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
Tetrachloroethylene	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.006	0.02	1	CSH	01/31/05	LMP
Toluene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.006	0.02	1		01/31/05	LMP
Trichloroethylene	<0.025	mg/kg	0.011	0.037	1		01/31/05	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		01/31/05	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
Vinyl Chloride	<0.025	mg/kg	0.018	0.06	1	LCL	01/31/05	LMP

All results calculated on a dry weight basis.



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Stevens Point, Wi 54481

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ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO. : 170433.7
DATE REC'D : 01/28/05
REPORT DATE: 02/10/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW2 9-10' Matrix: SOIL Sample Date/Time: 01/18/05 15:15 Lab No. 170435

<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)							
m- & p-Xylene	<0.025 mg/kg	0.015	0.05	1		01/31/05	LMP
o-Xylene	<0.025 mg/kg	0.008	0.027	1		01/31/05	LMP
PID Surrogate Recovery (%)	98.9 %	-	-	1		01/31/05	LMP
HALL Surrogate Recovery (%)	108. %	-	-	1		01/31/05	LMP
EPA 8310							
Acenaphthene	<0.00553 mg/kg	0.0047	0.016	1		02/03/05	LMP
Acenaphthylene	<0.00776 mg/kg	0.0066	0.022	1		02/03/05	LMP
Anthracene	<0.00247 mg/kg	0.0021	0.007	1		02/03/05	LMP
Benzo(a)Anthracene	<0.00482 mg/kg	0.0041	0.014	1		02/03/05	LMP
Benzo(a)Pyrene	<0.00271 mg/kg	0.0023	0.0077	1		02/03/05	LMP
Benzo(b)Fluoranthene	<0.00247 mg/kg	0.0021	0.007	1		02/03/05	LMP
Benzo(k)Fluoranthene	<0.00341 mg/kg	0.0029	0.0097	1		02/03/05	LMP
Benzo(ghi)Perylene	<0.00247 mg/kg	0.0021	0.007	1		02/03/05	LMP
Chrysene	<0.00271 mg/kg	0.0023	0.0077	1		02/03/05	LMP
Dibenz(a,h)Anthracene	<0.00165 mg/kg	0.0014	0.0047	1	CSH	02/03/05	LMP
Fluoranthene	<0.00259 mg/kg	0.00221	0.0074	1		02/03/05	LMP
Fluorene	<0.00235 mg/kg	0.002	0.0067	1		02/03/05	LMP
Indeno(1,2,3-cd)Pyrene	<0.00188 mg/kg	0.0016	0.0053	1		02/03/05	LMP
1-Methyl Naphthalene	<0.00412 mg/kg	0.0035	0.012	1		02/03/05	LMP
2-Methyl Naphthalene	<0.00482 mg/kg	0.0041	0.014	1		02/03/05	LMP
Naphthalene	<0.00188 mg/kg	0.0016	0.0053	1		02/03/05	LMP
Phenanthrene	<0.00271 mg/kg	0.0023	0.0077	1		02/03/05	LMP
Pyrene	<0.00247 mg/kg	0.0021	0.007	1		02/03/05	LMP
9,10-Diphenylanthracene (%)	96.5 %	-	-	1		02/03/05	LMP
Method 3550 Ultrasonic Ext.	COMP	-	-	-		02/01/05	JEG

All results calculated on a dry weight basis.



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Stevens Point, WI 54481

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO. : 170433.8
DATE REC'D : 01/28/05
REPORT DATE: 02/10/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: MEOH BLANK-USF Matrix: SOIL Sample Date/Time: 01/19/05 Lab No. 170436

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
Bromobenzene	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
Bromodichloromethane	<0.025	mg/l	0.006	0.02	1		01/31/05	LMP
n-Butylbenzene	<0.025	mg/l	0.012	0.04	1		01/31/05	LMP
sec-Butylbenzene	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
tert-Butylbenzene	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
Carbon Tetrachloride	<0.025	mg/l	0.008	0.027	1	CSH	01/31/05	LMP
Chlorobenzene	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
Chlorodibromomethane	<0.025	mg/l	0.02	0.067	1		01/31/05	LMP
Chloroethane	<0.025	mg/l	0.09	0.30	1		01/31/05	LMP
Chloroform	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
Chloromethane	<0.025	mg/l	0.01	0.033	1	LCL	01/31/05	LMP
2-Chlorotoluene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
4-Chlorotoluene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/l	0.009	0.03	1		01/31/05	LMP
1,2-Dibromoethane	<0.025	mg/l	0.012	0.04	1		01/31/05	LMP
1,2-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
1,3-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
1,4-Dichlorobenzene	0.0347	mg/l	0.008	0.027	1		01/31/05	LMP
Dichlorodifluoromethane	<0.025	mg/l	0.014	0.047	1	LCL	01/31/05	LMP
1,1-Dichloroethane	<0.025	mg/l	0.009	0.03	1		01/31/05	LMP
1,2-Dichloroethane	<0.025	mg/l	0.005	0.017	1		01/31/05	LMP
1,1-Dichloroethylene	<0.025	mg/l	0.016	0.053	1		01/31/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
1,2-Dichloropropane	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
1,3-Dichloropropane	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
2,2-Dichloropropane	<0.025	mg/l	0.008	0.027	1	CSH	01/31/05	LMP
Ethylbenzene	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
Hexachlorobutadiene	<0.025	mg/l	0.015	0.05	1		01/31/05	LMP
Isopropylbenzene	<0.025	mg/l	0.009	0.03	1		01/31/05	LMP
Isopropyl Ether	<0.025	mg/l	0.014	0.047	1		01/31/05	LMP
p-Isopropyltoluene	<0.025	mg/l	0.011	0.037	1		01/31/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/l	0.018	0.06	1	DUP	01/31/05	LMP
Methylene Chloride	<0.025	mg/l	0.014	0.047	1		01/31/05	LMP
Naphthalene	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
n-Propylbenzene	<0.025	mg/l	0.009	0.03	1		01/31/05	LMP
Tetrachloroethylene	<0.025	mg/l	0.009	0.03	1		01/31/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/l	0.006	0.02	1	CSH	01/31/05	LMP
Toluene	<0.025	mg/l	0.007	0.023	1		01/31/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/l	0.014	0.047	1		01/31/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/l	0.014	0.047	1		01/31/05	LMP
1,1,1-Trichloroethane	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
1,1,2-Trichloroethane	<0.025	mg/l	0.006	0.02	1		01/31/05	LMP
Trichloroethylene	<0.025	mg/l	0.011	0.037	1		01/31/05	LMP
Trichlorofluoromethane	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
1,2,4-Trimethylbenzene	<0.025	mg/l	0.012	0.04	1		01/31/05	LMP
1,3,5-Trimethylbenzene	<0.025	mg/l	0.01	0.033	1		01/31/05	LMP
Vinyl Chloride	<0.025	mg/l	0.018	0.06	1	LCL	01/31/05	LMP
m- & p-Xylene	<0.025	mg/l	0.015	0.05	1		01/31/05	LMP
o-Xylene	<0.025	mg/l	0.008	0.027	1		01/31/05	LMP
PID Surrogate Recovery (S)	97.8	%	-	-	1		01/31/05	LMP
HALL Surrogate Recovery (S)	108.	%	-	-	1		01/31/05	LMP



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200 Indiana Ave
Stevens Point, WI 54481

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FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 170433.9
DATE REC'D.: 01/28/05
REPORT DATE: 02/10/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW3 12-13' Matrix: SOIL Sample Date/Time: 01/19/05 10:35 Lab No. 170437

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 160.3								
Total Solids	83.6	%	-	0.33	-		01/31/05	BFV
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)								
Benzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
Bromobenzene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
Bromodichloromethane	<0.025	mg/kg	0.006	0.02	1		01/31/05	LMP
n-Butylbenzene	<0.025	mg/kg	0.012	0.04	1		01/31/05	LMP
sec-Butylbenzene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
tert-Butylbenzene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.008	0.027	1	CSH	01/31/05	LMP
Chlorobenzene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
Chlorodibromomethane	<0.025	mg/kg	0.02	0.067	1		01/31/05	LMP
Chloroethane	<0.025	mg/kg	0.09	0.30	1		01/31/05	LMP
Chloroform	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
Chloromethane	<0.025	mg/kg	0.01	0.033	1	LCL	01/31/05	LMP
2-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
4-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.012	0.04	1		01/31/05	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.014	0.047	1	LCL	01/31/05	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.005	0.017	1		01/31/05	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.016	0.053	1		01/31/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.008	0.027	1	CSH	01/31/05	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.015	0.05	1		01/31/05	LMP
Isopropylbenzene	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
Isopropyl Ether	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.011	0.037	1		01/31/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.06	1	DUP	01/31/05	LMP
Methylene Chloride	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
Naphthalene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
n-Propylbenzene	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
Tetrachloroethylene	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.006	0.02	1	CSH	01/31/05	LMP
Toluene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.006	0.02	1		01/31/05	LMP
Trichloroethylene	<0.025	mg/kg	0.011	0.037	1		01/31/05	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		01/31/05	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
Vinyl Chloride	<0.025	mg/kg	0.018	0.06	1	LCL	01/31/05	LMP

All results calculated on a dry weight basis.



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 170433.10
DATE REC'D.: 01/28/05
REPORT DATE: 02/10/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW3 12-13' Matrix: SOIL Sample Date/Time: 01/19/05 10:35 Lab No. 170437

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	Dilution Factor	<u>Qualifiers</u>	Date Analyzed	<u>Analyst</u>
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)								
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		01/31/05	LMP
o-Xylene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
PID Surrogate Recovery (S)	98.5	%	-	-	1		01/31/05	LMP
HALL Surrogate Recovery (S)	109.	%	-	-	1		01/31/05	LMP
EPA 8310								
Acenaphthene	<0.00562	mg/kg	0.0047	0.016	1		02/09/05	LMP
Acenaphthylene	<0.00789	mg/kg	0.0066	0.022	1		02/09/05	LMP
Anthracene	<0.00251	mg/kg	0.0021	0.007	1		02/09/05	LMP
Benzo(a)Anthracene	<0.0049	mg/kg	0.0041	0.014	1		02/09/05	LMP
Benzo(a)Pyrene	<0.00275	mg/kg	0.0023	0.0077	1		02/09/05	LMP
Benzo(b)Fluoranthene	<0.00251	mg/kg	0.0021	0.007	1		02/09/05	LMP
Benzo(k)Fluoranthene	<0.00347	mg/kg	0.0029	0.0097	1		02/09/05	LMP
Benzo(ghi)Perylene	<0.00251	mg/kg	0.0021	0.007	1		02/09/05	LMP
Chrysene	<0.00275	mg/kg	0.0023	0.0077	1		02/09/05	LMP
Dibeno(a,h)Anthracene	<0.00167	mg/kg	0.0014	0.0047	1		02/09/05	LMP
Fluoranthene	<0.00263	mg/kg	0.00221	0.0074	1		02/09/05	LMP
Fluorene	<0.00239	mg/kg	0.002	0.0067	1		02/09/05	LMP
Indeno(1,2,3-cd)Pyrene	<0.00191	mg/kg	0.0016	0.0053	1		02/09/05	LMP
1-Methyl Naphthalene	<0.00419	mg/kg	0.0035	0.012	1		02/09/05	LMP
2-Methyl Naphthalene	<0.0049	mg/kg	0.0041	0.014	1		02/09/05	LMP
Naphthalene	<0.00191	mg/kg	0.0016	0.0053	1		02/09/05	LMP
Phenanthrene	<0.00275	mg/kg	0.0023	0.0077	1		02/09/05	LMP
Pyrene	<0.00251	mg/kg	0.0021	0.007	1		02/09/05	LMP
9,10-Diphenylanthracene (S)	97.3	%	-	-	1		02/09/05	LMP
Method 3550 Ultrasonic Ext.		COMP	-	-	-		02/01/05	JEG

All results calculated on a dry weight basis.



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 170433.11
DATE REC'D.: 01/28/05
REPORT DATE: 02/10/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW4 8.5-9.5' Matrix: SOIL Sample Date/Time: 01/19/05 14:10 Lab No. 170438

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 160.3								
Total Solids	80.8	%	-	0.33	-		01/31/05	BFV
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)								
Benzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
Bromobenzene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
Bromodichloromethane	<0.025	mg/kg	0.006	0.02	1		01/31/05	LMP
n-Butylbenzene	<0.025	mg/kg	0.012	0.04	1		01/31/05	LMP
sec-Butylbenzene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
tert-Butylbenzene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.008	0.027	1	CSH	01/31/05	LMP
Chlorobenzene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
Chlorodibromomethane	<0.025	mg/kg	0.02	0.067	1		01/31/05	LMP
Chloroethane	<0.025	mg/kg	0.09	0.30	1		01/31/05	LMP
Chloroform	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
Chloromethane	<0.025	mg/kg	0.01	0.033	1	LCL	01/31/05	LMP
2-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
4-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.012	0.04	1		01/31/05	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.014	0.047	1	LCL	01/31/05	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.005	0.017	1		01/31/05	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.016	0.053	1		01/31/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.008	0.027	1	CSH	01/31/05	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.015	0.05	1		01/31/05	LMP
Isopropylbenzene	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
Isopropyl Ether	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.011	0.037	1		01/31/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.06	1	DUP	01/31/05	LMP
Methylene Chloride	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
Naphthalene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
n-Propylbenzene	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
Tetrachloroethylene	<0.025	mg/kg	0.009	0.03	1		01/31/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.006	0.02	1	CSH	01/31/05	LMP
Toluene	<0.025	mg/kg	0.007	0.023	1		01/31/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1		01/31/05	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.006	0.02	1		01/31/05	LMP
Trichloroethylene	<0.025	mg/kg	0.011	0.037	1		01/31/05	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		01/31/05	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.033	1		01/31/05	LMP
Vinyl Chloride	<0.025	mg/kg	0.018	0.06	1	LCL	01/31/05	LMP

All results calculated on a dry weight basis.



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 170433.12
DATE REC'D: 01/28/05
REPORT DATE: 02/10/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW4 8.5-9.5' Matrix: SOIL Sample Date/Time: 01/19/05 14:10 Lab No. 170438

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)								
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		01/31/05	LMP
o-Xylene	<0.025	mg/kg	0.008	0.027	1		01/31/05	LMP
PID Surrogate Recovery (S)	102.	%	-	-	1		01/31/05	LMP
HALL Surrogate Recovery (S)	106.	%	-	-	1		01/31/05	LMP
EPA 8310								
Acenaphthene	<0.00582	mg/kg	0.0047	0.016	1		02/04/05	LMP
Acenaphthylene	<0.00817	mg/kg	0.0066	0.022	1		02/04/05	LMP
Anthracene	<0.0026	mg/kg	0.0021	0.007	1		02/04/05	LMP
Benzo(a)Anthracene	<0.00507	mg/kg	0.0041	0.014	1		02/04/05	LMP
Benzo(a)Pyrene	<0.00285	mg/kg	0.0023	0.0077	1		02/04/05	LMP
Benzo(b)Fluoranthene	<0.0026	mg/kg	0.0021	0.007	1		02/04/05	LMP
Benzo(k)Fluoranthene	<0.00359	mg/kg	0.0029	0.0097	1		02/04/05	LMP
Benzo(ghi)Perylene	<0.0026	mg/kg	0.0021	0.007	1		02/04/05	LMP
Chrysene	<0.00285	mg/kg	0.0023	0.0077	1		02/04/05	LMP
Dibenzo(a,h)Anthracene	<0.00173	mg/kg	0.0014	0.0047	1	CSH	02/04/05	LMP
Fluoranthene	<0.00272	mg/kg	0.00221	0.0074	1		02/04/05	LMP
Fluorene	<0.00248	mg/kg	0.002	0.0067	1		02/04/05	LMP
Indeno(1,2,3-cd)Pyrene	<0.00198	mg/kg	0.0016	0.0053	1		02/04/05	LMP
1-Methyl Naphthalene	<0.00433	mg/kg	0.0035	0.012	1		02/04/05	LMP
2-Methyl Naphthalene	<0.00507	mg/kg	0.0041	0.014	1		02/04/05	LMP
Naphthalene	<0.00198	mg/kg	0.0016	0.0053	1		02/04/05	LMP
Phenanthrene	<0.00285	mg/kg	0.0023	0.0077	1		02/04/05	LMP
Pyrene	<0.0026	mg/kg	0.0021	0.007	1		02/04/05	LMP
9,10-Diphenylanthracene (S)	98.5	%	-	-	1		02/04/05	LMP
Method 3550 Ultrasonic Ext.	COMP		-	-	-		02/01/05	JEG

All results calculated on a dry weight basis.

Qualifier Descriptions

CSH Check standard for this analyte exhibited a high bias.
Sample results may also be biased high.

LCL The laboratory control sample for this analyte exhibited a low bias. Sample results may also be biased low.

DUP Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.



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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE
FACSIMILE
WEBSITE

800-338-7226
715-355-3221
www.usfilter.com

Sample Receipt Report

Client: Earth Tech

Date Received: 1/28/05

Analytical No.: 13170433 Through 13170438

Check all deviations from EPA or WDNR sample protocol.

- Sample(s) received at ____ °C which is above the EPA and WDNR limit of 4°C.
- VOC vial(s) received with headspace. Explain: _____
- Sample(s) received in bottles not furnished by Enviroscan. Preservation method, if used, is unknown.
- Sample(s) not properly preserved per EPA/WDNR protocol for the following: _____
- Sample(s) received beyond EPA holding time for: _____
- Sample date/time not supplied by client. Actual holding time unknown.
- GRO/PVOC/VOC/DRO (circle appropriate) sample(s) are < 19.5 gms and this report is the flag for that information. Sample(s) under-weight: _____
- GRO/PVOC/VOC (circle appropriate) sample(s) were between 26.4-35.4 gms so methanol was added in a 1:1 ratio. Sample(s) included: 13170437 + 2 ml
13170438 + 4 ml,
- GRO/PVOC/VOC/DRO (circle appropriate) sample(s) were > 35.4 gms and are required to be rejected. Sample(s) included: _____
- Other: _____

Client contact concerning the above deviations:

Client _____ (contact name) notified of the above deviation(s) on 1/1/
at : am/pm by _____ and the client ordered:
(signature)

- Proceed with analyses as ordered.
- Proceed with analyses after taking the following corrective action: _____
- Do NOT proceed with analyses.

REQUEST FOR SERVICES

ES *USFilter*

ENVIROSCAN SERVICES

301 W. MILITARY RD.

ROTHSCHILD, WI 54474

1-800-338-SCAN

REPORT TO:

Name: DAVE SENFERD'S
Company: GARTH TECH INC
Address: 200 INDIANA AVE
STEVENS POINT WI 54481
Phone: (715) 342-3039
P.O.#
Project # 82060 Quote # -1374
Location DNR-C.H.L.

BILL TO: (if different from Report To info)

Name: _____
Company: ~~A~~ SAME
Address: _____

Phone: ()

ANALYTICAL REQUESTS

(use separate sheet if necessary)

Sample Type
(Check all that apply)

- Groundwater
 - Wastewater
 - Soil/Solid
 - Drinking Water
 - Oil
 - Vapor
 - Other

Turnaround Time

- Normal
 - Rush (Pre-approved by Lab)

Date Needed _____
Approved By _____

CHAIN OF CUSTODY RECORD

SAMPLERS: (*Signature*)

Phil Egan

Deliv Hand Comm			
Ship Cont OK	Y	N	N/A
Samples leaking?	Y	N	N/A
Seals OK?	Y	N	N/A
Rec'd on ice?		N	N/A

Comments:

RELINQUISHED BY: (Signature) <i>Paul Cagan</i>	DATE/TIME 1/28/05 11:20	RECEIVED BY: (Signature)	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature) <i>John K. Steller</i>	DATE/TIME 1/28/05 11:20



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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

RECEIVED

MAY 12 2005

May 11, 2005

EARTH TECH

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, Wi 54481

Attn: Dave Senfelds

REPORT NO.: 175840

PROJECT NO.: 82060

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received April 28, 2005.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

James R. Salkowski
Laboratory Director

SOIL: MW-5
MW-6
MW-7
MIN-8
MW-9

8/29/05
BACKCHECKED PJE

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by:

Certifications:

Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317



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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Sample Summary

175840.2

<u>Lab Id</u>	<u>Client Sample ID</u>	<u>Date/Time</u>	<u>Matrix</u>
175840	MEOH BLANK-USF	04/20/05	SOIL
175841	MW5 14-15	04/20/05 11:25	SOIL
175842	MW6 14-16	04/20/05 16:35	SOIL
175843	MEOH BLANK-USF	04/21/05	SOIL
175844	MW7 12-13.5	04/21/05 09:45	SOIL
175845	MW8 7-8	04/21/05 16:30	SOIL
175846	MW9 9-11	04/21/05 19:30	SOIL

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection (Not dilution corrected)

$\mu\text{g/l}$ = Micrograms per liter = parts per billion (ppb)

LOQ = Limit of Quantitation (Not dilution corrected)

$\mu\text{g/kg}$ = Micrograms per kilogram = parts per billion (ppb)

< = Less Than

mg/l = Milligrams per liter = parts per million (ppm)

COMP = Complete

mg/kg = Milligrams per kilogram = parts per million (ppm)

SUBCON = Subcontracted analysis

NOT PRES = Not Present

mV = millivolts

ppth = Parts per thousand

pCi/l = picocurie per liter

(S) = Surrogate Compound

ml/l = mililiters/Liter

mg/m^3 = Milligrams/meter cube

mg = milligrams

ng/l = Nanograms per liter



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 175840.3
 DATE REC'D : 04/28/05
 REPORT DATE: 05/11/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MEOH BLANK-USF Matrix: SOIL Sample Date/Time: 04/20/05 Lab No. 175840

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
Bromobenzene	<0.025	mg/l	0.007	0.023	1		04/29/05	LMP
Bromodichloromethane	<0.025	mg/l	0.006	0.02	1		04/29/05	LMP
n-Butylbenzene	<0.025	mg/l	0.012	0.04	1		04/29/05	LMP
sec-Butylbenzene	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
tert-Butylbenzene	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
Carbon Tetrachloride	<0.025	mg/l	0.008	0.027	1	LCH	04/29/05	LMP
Chlorobenzene	<0.025	mg/l	0.007	0.023	1		04/29/05	LMP
Chlorodibromomethane	<0.025	mg/l	0.02	0.067	1		04/29/05	LMP
Chloroethane	<0.025	mg/l	0.09	0.30	1		04/29/05	LMP
Chloroform	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
Chloromethane	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
2-Chlorotoluene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
4-Chlorotoluene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/l	0.009	0.03	1		04/29/05	LMP
1,2-Dibromoethane	<0.025	mg/l	0.012	0.04	1		04/29/05	LMP
1,2-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
1,3-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
1,4-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
Dichlorodifluoromethane	<0.025	mg/l	0.014	0.047	1	CSL LCL DUP	04/29/05	LMP
1,1-Dichloroethane	<0.025	mg/l	0.009	0.03	1	LCL	04/29/05	LMP
1,2-Dichloroethane	<0.025	mg/l	0.005	0.017	1	CSL	04/29/05	LMP
1,1-Dichloroethylene	<0.025	mg/l	0.016	0.053	1		04/29/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/l	0.007	0.023	1	CSL	04/29/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/l	0.01	0.033	1	LCL	04/29/05	LMP
1,2-Dichloropropane	<0.025	mg/l	0.007	0.023	1		04/29/05	LMP
1,3-Dichloropropane	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
2,2-Dichloropropane	<0.025	mg/l	0.008	0.027	1	CSH	04/29/05	LMP
Ethylbenzene	<0.025	mg/l	0.007	0.023	1	CSL	04/29/05	LMP
Hexachlorobutadiene	<0.025	mg/l	0.015	0.05	1		04/29/05	LMP
Isopropylbenzene	<0.025	mg/l	0.009	0.03	1		04/29/05	LMP
Isopropyl Ether	<0.025	mg/l	0.014	0.047	1		04/29/05	LMP
p-Isopropyltoluene	<0.025	mg/l	0.011	0.037	1		04/29/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/l	0.018	0.06	1	CSL DUP	04/29/05	LMP
Methylene Chloride	<0.025	mg/l	0.014	0.047	1		04/29/05	LMP
Naphthalene	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
n-Propylbenzene	<0.025	mg/l	0.009	0.03	1		04/29/05	LMP
Tetrachloroethylene	<0.025	mg/l	0.009	0.03	1		04/29/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/l	0.006	0.02	1		04/29/05	LMP
Toluene	<0.025	mg/l	0.007	0.023	1		04/29/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/l	0.014	0.047	1		04/29/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/l	0.014	0.047	1		04/29/05	LMP
1,1,1-Trichloroethane	<0.025	mg/l	0.008	0.027	1	LCH	04/29/05	LMP
1,1,2-Trichloroethane	<0.025	mg/l	0.006	0.02	1		04/29/05	LMP
Trichloroethylene	<0.025	mg/l	0.011	0.037	1		04/29/05	LMP
Trichlorofluoromethane	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
1,2,4-Trimethylbenzene	<0.025	mg/l	0.012	0.04	1		04/29/05	LMP
1,3,5-Trimethylbenzene	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
Vinyl Chloride	<0.025	mg/l	0.018	0.06	1		04/29/05	LMP
m- & p-Xylene	<0.025	mg/l	0.015	0.05	1		04/29/05	LMP
o-Xylene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
PID Surrogate Recovery (S)	89.5	%	-	-	1		04/29/05	LMP
HALL Surrogate Recovery (S)	118.	%	-	-	1		04/29/05	LMP



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200 Indiana Ave
Stevens Point, WI 54481

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 301 WEST MILITARY ROAD
 ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 175840.4
 DATE REC'D : 04/28/05
 REPORT DATE: 05/11/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MM5 14-15 Matrix: SOIL Sample Date/Time: 04/20/05 11:25 Lab No. 175841

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	Dilution Factor	<u>Qualifiers</u>	Date Analyzed	<u>Analyst</u>
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)								
Benzene	<0.025	mg/kg	0.008	0.027	1		04/29/05	LMP
Bromobenzene	<0.025	mg/kg	0.007	0.023	1		04/29/05	LMP
Bromodichloromethane	<0.025	mg/kg	0.006	0.02	1		04/29/05	LMP
n-Butylbenzene	0.156	mg/kg	0.012	0.04	1		04/29/05	LMP
sec-Butylbenzene	<0.025	mg/kg	0.01	0.033	1		04/29/05	LMP
tert-Butylbenzene	<0.025	mg/kg	0.01	0.033	1		04/29/05	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.008	0.027	1	LCH	04/29/05	LMP
Chlorobenzene	<0.025	mg/kg	0.007	0.023	1		04/29/05	LMP
Chlorodibromomethane	<0.025	mg/kg	0.02	0.067	1		04/29/05	LMP
Chloroethane	<0.025	mg/kg	0.09	0.30	1		04/29/05	LMP
Chloroform	<0.025	mg/kg	0.01	0.033	1		04/29/05	LMP
Chloromethane	<0.025	mg/kg	0.01	0.033	1		04/29/05	LMP
2-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1		04/29/05	LMP
4-chlorotoluene	<0.025	mg/kg	0.008	0.027	1		04/29/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.009	0.03	1		04/29/05	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.012	0.04	1		04/29/05	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		04/29/05	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		04/29/05	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1		04/29/05	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.014	0.047	1	CSL LCL DUP	04/29/05	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.009	0.03	1	LCL	04/29/05	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.005	0.017	1	CSL	04/29/05	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.016	0.053	1		04/29/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.023	1	CSL	04/29/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.01	0.033	1	LCL	04/29/05	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.007	0.023	1		04/29/05	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.008	0.027	1		04/29/05	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.008	0.027	1	CSH	04/29/05	LMP
Ethylbenzene	0.118	mg/kg	0.007	0.023	1	CSL	04/29/05	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.015	0.05	1		04/29/05	LMP
Isopropylbenzene	<0.025	mg/kg	0.009	0.03	1		04/29/05	LMP
Isopropyl Ether	<0.025	mg/kg	0.014	0.047	1		04/29/05	LMP
p-Isopropyltoluene	0.298	mg/kg	0.011	0.037	1		04/29/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.06	1	CSL DUP	04/29/05	LMP
Methylene Chloride	<0.025	mg/kg	0.014	0.047	1		04/29/05	LMP
Naphthalene	0.279	mg/kg	0.01	0.033	1		04/29/05	LMP
n-Propylbenzene	0.119	mg/kg	0.009	0.03	1		04/29/05	LMP
Tetrachloroethylene	<0.025	mg/kg	0.009	0.03	1		04/29/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.006	0.02	1		04/29/05	LMP
Toluene	<0.025	mg/kg	0.007	0.023	1		04/29/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1		04/29/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1		04/29/05	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.008	0.027	1	LCH	04/29/05	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.006	0.02	1		04/29/05	LMP
Trichloroethylene	<0.025	mg/kg	0.011	0.037	1		04/29/05	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.008	0.027	1		04/29/05	LMP
1,2,4-Trimethylbenzene	0.28	mg/kg	0.012	0.04	1		04/29/05	LMP
1,3,5-Trimethylbenzene	0.386	mg/kg	0.01	0.033	1		04/29/05	LMP
Vinyl Chloride	<0.025	mg/kg	0.018	0.06	1		04/29/05	LMP
m- & p-Xylene	0.0887	mg/kg	0.015	0.05	1		04/29/05	LMP
o-Xylene	0.0327	mg/kg	0.008	0.027	1		04/29/05	LMP
PID Surrogate Recovery (S)	72.4	%	-	-	1		04/29/05	LMP

All results calculated on a dry weight basis.



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200 Indiana Ave
Stevens Point, WI 54481

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 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 175840.5
 DATE REC'D : 04/28/05
 REPORT DATE: 05/11/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MW5 14-15 Matrix: SOIL Sample Date/Time: 04/20/05 11:25 Lab No. 175841

Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
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EPA 8021 (Only positively identified analytes are reported on a dry weight basis)
 HALL Surrogate Recovery (S) 118. % - - 1

04/29/05 LMP

EPA 8310

Acenaphthene	<0.0052	mg/kg	0.0047	0.016	1	05/06/05	LMP
Acenaphthylene	<0.0073	mg/kg	0.0066	0.022	1	05/06/05	LMP
Anthracene	<0.00232	mg/kg	0.0021	0.007	1	05/06/05	LMP
Benz(a)Anthracene	<0.00454	mg/kg	0.0041	0.014	1	05/06/05	LMP
Benz(a)Pyrene	<0.00254	mg/kg	0.0023	0.0077	1	05/06/05	LMP
Benz(b)Fluoranthene	<0.00232	mg/kg	0.0021	0.007	1	05/06/05	LMP
Benz(k)Fluoranthene	<0.00321	mg/kg	0.0029	0.0097	1	05/06/05	LMP
Benz(ghi)Perylene	0.00472	mg/kg	0.0021	0.007	1	05/06/05	LMP
Chrysene	<0.00254	mg/kg	0.0023	0.0077	1	05/06/05	LMP
Dibenzo(a,h)Anthracene	<0.00155	mg/kg	0.0014	0.0047	1	05/06/05	LMP
Fluoranthene	<0.00243	mg/kg	0.00221	0.0074	1	05/06/05	LMP
Fluorene	0.00716	mg/kg	0.002	0.0067	1	05/06/05	LMP
Indeno(1,2,3-cd)Pyrene	<0.00177	mg/kg	0.0016	0.0053	1	05/06/05	LMP
1-Methyl Naphthalene	0.0106	mg/kg	0.0035	0.012	1	05/06/05	LMP
2-Methyl Naphthalene	0.0173	mg/kg	0.0041	0.014	1	05/06/05	LMP
Naphthalene	0.00236	mg/kg	0.0016	0.0053	1	05/06/05	LMP
Phenanthrene	<0.00254	mg/kg	0.0023	0.0077	1	05/06/05	LMP
Pyrene	<0.00232	mg/kg	0.0021	0.007	1	05/06/05	LMP
9,10-Diphenylanthracene (S)	91.2	%	-	-	1	05/06/05	LMP
Method 3550 Ultrasonic Ext.	COMP		-	-	-	05/04/05	KAM

MOSA21-2

Total Solids	90.4	%	-	0.33	-	05/05/05	EAZ
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All results calculated on a dry weight basis.



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 175840.6
DATE REC'D: 04/28/05
REPORT DATE: 05/11/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	MW6 14-16	Matrix:	SOIL	Sample Date/Time:	04/20/05 16:35	Lab No.	175842
				Dilution Factor		Date Analyzed	
	Result	Units	LOD	LOQ	Qualifiers		Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)							
Benzene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
Bromobenzene	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
Bromodichloromethane	<0.025	mg/kg	0.006	0.02	1	04/29/05	LMP
n-Butylbenzene	<0.025	mg/kg	0.012	0.04	1	04/29/05	LMP
sec-Butylbenzene	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
tert-Butylbenzene	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
Chlorobenzene	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
Chlorodibromomethane	<0.025	mg/kg	0.02	0.067	1	04/29/05	LMP
Chloroethane	<0.025	mg/kg	0.09	0.30	1	04/29/05	LMP
Chloroform	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
Chloromethane	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
2-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
4-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.009	0.03	1	04/29/05	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.012	0.04	1	04/29/05	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.014	0.047	1	04/29/05	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.009	0.03	1	04/29/05	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.005	0.017	1	04/29/05	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.016	0.053	1	04/29/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.015	0.05	1	04/29/05	LMP
Isopropylbenzene	<0.025	mg/kg	0.009	0.03	1	04/29/05	LMP
Isopropyl Ether	<0.025	mg/kg	0.014	0.047	1	04/29/05	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.011	0.037	1	04/29/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.06	1	04/29/05	LMP
Methylene Chloride	<0.025	mg/kg	0.014	0.047	1	04/29/05	LMP
Naphthalene	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
n-Propylbenzene	<0.025	mg/kg	0.009	0.03	1	04/29/05	LMP
Tetrachloroethylene	<0.025	mg/kg	0.009	0.03	1	04/29/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.006	0.02	1	04/29/05	LMP
Toluene	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1	04/29/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1	04/29/05	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.006	0.02	1	04/29/05	LMP
Trichloroethylene	<0.025	mg/kg	0.011	0.037	1	04/29/05	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1	04/29/05	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
Vinyl Chloride	<0.025	mg/kg	0.018	0.06	1	04/29/05	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1	04/29/05	LMP
o-Xylene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
PID Surrogate Recovery (%)	92.9	%	-	-	1	04/29/05	LMP

All results calculated on a dry weight basis.



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TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, Wi 54481

PROJECT NO.: 82060
REPORT NO. : 175840.7
DATE REC'D : 04/28/05
REPORT DATE: 05/11/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MW6 14-16 Matrix: SOIL Sample Date/Time: 04/20/05 16:35 Lab No. 175842

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)								
HALL Surrogate Recovery (S)	117.	%	-	-	1		04/29/05	LMP
EPA 8310								
Acenaphthene	<0.00526	mg/kg	0.0047	0.016	1		05/06/05	LMP
Acenaphthylene	<0.00739	mg/kg	0.0066	0.022	1		05/06/05	LMP
Anthracene	<0.00235	mg/kg	0.0021	0.007	1		05/06/05	LMP
Benz(a)Anthracene	<0.00459	mg/kg	0.0041	0.014	1		05/06/05	LMP
Benz(a)Pyrene	0.00862	mg/kg	0.0023	0.0077	1		05/06/05	LMP
Benz(b)Fluoranthene	<0.00235	mg/kg	0.0021	0.007	1		05/06/05	LMP
Benz(k)Fluoranthene	<0.00325	mg/kg	0.0029	0.0097	1		05/06/05	LMP
Benz(ghi)Perylene	0.00311	mg/kg	0.0021	0.007	1	J	05/06/05	LMP
Chrysene	<0.00258	mg/kg	0.0023	0.0077	1		05/06/05	LMP
Dibenzo(a,h)Anthracene	<0.00157	mg/kg	0.0014	0.0047	1	CSH	05/06/05	LMP
Fluoranthene	0.0102	mg/kg	0.00221	0.0074	1		05/06/05	LMP
Fluorene	<0.00224	mg/kg	0.002	0.0067	1		05/06/05	LMP
Indeno(1,2,3-cd)Pyrene	<0.00179	mg/kg	0.0016	0.0053	1		05/06/05	LMP
1-Methyl Naphthalene	<0.00392	mg/kg	0.0035	0.012	1		05/06/05	LMP
2-Methyl Naphthalene	<0.00459	mg/kg	0.0041	0.014	1		05/06/05	LMP
Naphthalene	<0.00179	mg/kg	0.0016	0.0053	1		05/06/05	LMP
Phenanthrene	0.00526	mg/kg	0.0023	0.0077	1	J	05/06/05	LMP
Pyrene	<0.00235	mg/kg	0.0021	0.007	1		05/06/05	LMP
9,10-Diphenylanthracene (S)	77.1	%	-	-	1		05/06/05	LMP
Method 3550 Ultrasonic Ext.	COMP		-	-	-		05/04/05	KAM
MOSA21-2								
Total Solids	89.3	%	-	0.33	-		05/05/05	EAZ

All results calculated on a dry weight basis.



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200 Indiana Ave
Stevens Point, Wi 54481

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO. : 175840.8
DATE REC'D : 04/28/05
REPORT DATE: 05/11/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MEOH BLANK-USF Matrix: SOIL Sample Date/Time: 04/21/05 Lab No. 175843

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
Bromobenzene	<0.025	mg/l	0.007	0.023	1		04/29/05	LMP
Bromodichloromethane	<0.025	mg/l	0.006	0.02	1		04/29/05	LMP
n-Butylbenzene	<0.025	mg/l	0.012	0.04	1		04/29/05	LMP
sec-Butylbenzene	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
tert-Butylbenzene	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
Carbon Tetrachloride	<0.025	mg/l	0.008	0.027	1	LCH	04/29/05	LMP
Chlorobenzene	<0.025	mg/l	0.007	0.023	1		04/29/05	LMP
Chlorodibromomethane	<0.025	mg/l	0.02	0.067	1		04/29/05	LMP
Chloroethane	<0.025	mg/l	0.09	0.30	1		04/29/05	LMP
Chloroform	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
Chloromethane	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
2-Chlorotoluene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
4-Chlorotoluene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/l	0.009	0.03	1		04/29/05	LMP
1,2-Dibromoethane	<0.025	mg/l	0.012	0.04	1		04/29/05	LMP
1,2-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
1,3-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
1,4-Dichlorobenzene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
Dichlorodifluoromethane	<0.025	mg/l	0.014	0.047	1	CSL LCL DUP	04/29/05	LMP
1,1-Dichloroethane	<0.025	mg/l	0.009	0.03	1	LCL	04/29/05	LMP
1,2-Dichloroethane	<0.025	mg/l	0.005	0.017	1	CSL	04/29/05	LMP
1,1-Dichloroethylene	<0.025	mg/l	0.016	0.053	1		04/29/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/l	0.007	0.023	1	CSL	04/29/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/l	0.01	0.033	1	LCL	04/29/05	LMP
1,2-Dichloropropane	<0.025	mg/l	0.007	0.023	1		04/29/05	LMP
1,3-Dichloropropane	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
2,2-Dichloropropane	<0.025	mg/l	0.008	0.027	1	CSH	04/29/05	LMP
Ethylbenzene	<0.025	mg/l	0.007	0.023	1	CSL	04/29/05	LMP
Hexachlorobutadiene	<0.025	mg/l	0.015	0.05	1		04/29/05	LMP
Isopropylbenzene	<0.025	mg/l	0.009	0.03	1		04/29/05	LMP
Isopropyl Ether	<0.025	mg/l	0.014	0.047	1		04/29/05	LMP
p-Isopropyltoluene	<0.025	mg/l	0.011	0.037	1		04/29/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/l	0.018	0.06	1	CSL DUP	04/29/05	LMP
Methylene Chloride	<0.025	mg/l	0.014	0.047	1		04/29/05	LMP
Naphthalene	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
n-Propylbenzene	<0.025	mg/l	0.009	0.03	1		04/29/05	LMP
Tetrachloroethylene	<0.025	mg/l	0.009	0.03	1		04/29/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/l	0.006	0.02	1		04/29/05	LMP
Toluene	<0.025	mg/l	0.007	0.023	1		04/29/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/l	0.014	0.047	1		04/29/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/l	0.014	0.047	1		04/29/05	LMP
1,1,1-Trichloroethane	<0.025	mg/l	0.008	0.027	1	LCH	04/29/05	LMP
1,1,2-Trichloroethane	<0.025	mg/l	0.006	0.02	1		04/29/05	LMP
Trichloroethylene	<0.025	mg/l	0.011	0.037	1		04/29/05	LMP
Trichlorofluoromethane	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
1,2,4-Trimethylbenzene	<0.025	mg/l	0.012	0.04	1		04/29/05	LMP
1,3,5-Trimethylbenzene	<0.025	mg/l	0.01	0.033	1		04/29/05	LMP
Vinyl Chloride	<0.025	mg/l	0.018	0.06	1		04/29/05	LMP
m- & p-Xylene	<0.025	mg/l	0.015	0.05	1		04/29/05	LMP
o-Xylene	<0.025	mg/l	0.008	0.027	1		04/29/05	LMP
PID Surrogate Recovery (S)	92.9	%	-	-	1		04/29/05	LMP
HALL Surrogate Recovery (S)	117.	%	-	-	1		04/29/05	LMP



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Attn: Dave Senfelds

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO.: 175840.9
 DATE REC'D: 04/28/05
 REPORT DATE: 05/11/05
 PREPARED BY: JRS

Sample ID:	Matrix:	Date/Time:	Lab No.	82060	175840.9	04/28/05
MW7 12-13.5	SOIL	04/21/05 09:45	175844	PROJECT NO.: 82060		
		Dilution Factor	Date Analyzed	Analyst		
	Result	Units	LOD	LOQ	Qualifiers	
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)						
Benzene	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
Bromobenzene	<0.025	mg/kg	0.007	0.023	1	04/29/05 LMP
Bromodichloromethane	<0.025	mg/kg	0.006	0.02	1	04/29/05 LMP
n-Butylbenzene	<0.025	mg/kg	0.012	0.04	1	04/29/05 LMP
sec-Butylbenzene	<0.025	mg/kg	0.01	0.033	1	04/29/05 LMP
tert-Butylbenzene	<0.025	mg/kg	0.01	0.033	1	04/29/05 LMP
Carbon Tetrachloride	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
Chlorobenzene	<0.025	mg/kg	0.007	0.023	1	04/29/05 LMP
Chlorodibromomethane	<0.025	mg/kg	0.02	0.067	1	04/29/05 LMP
Chloroethane	<0.025	mg/kg	0.09	0.30	1	04/29/05 LMP
Chloroform	<0.025	mg/kg	0.01	0.033	1	04/29/05 LMP
Chloromethane	<0.025	mg/kg	0.01	0.033	1	04/29/05 LMP
2-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
4-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.009	0.03	1	04/29/05 LMP
1,2-Dibromoethane	<0.025	mg/kg	0.012	0.04	1	04/29/05 LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.014	0.047	1	04/29/05 LMP
1,1-Dichloroethane	<0.025	mg/kg	0.009	0.03	1	04/29/05 LMP
1,2-Dichloroethane	<0.025	mg/kg	0.005	0.017	1	04/29/05 LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.016	0.053	1	04/29/05 LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.023	1	04/29/05 LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.01	0.033	1	04/29/05 LMP
1,2-Dichloropropane	<0.025	mg/kg	0.007	0.023	1	04/29/05 LMP
1,3-Dichloropropane	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
2,2-Dichloropropane	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.023	1	04/29/05 LMP
Hexachlorobutadiene	<0.025	mg/kg	0.015	0.05	1	04/29/05 LMP
Isopropylbenzene	<0.025	mg/kg	0.009	0.03	1	04/29/05 LMP
Isopropyl Ether	<0.025	mg/kg	0.014	0.047	1	04/29/05 LMP
p-Isopropyltoluene	<0.025	mg/kg	0.011	0.037	1	04/29/05 LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.06	1	04/29/05 LMP
Methylene Chloride	<0.025	mg/kg	0.014	0.047	1	04/29/05 LMP
Naphthalene	<0.025	mg/kg	0.01	0.033	1	04/29/05 LMP
n-Propylbenzene	<0.025	mg/kg	0.009	0.03	1	04/29/05 LMP
Tetrachloroethylene	<0.025	mg/kg	0.009	0.03	1	04/29/05 LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.006	0.02	1	04/29/05 LMP
Toluene	<0.025	mg/kg	0.007	0.023	1	04/29/05 LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1	04/29/05 LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1	04/29/05 LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.006	0.02	1	04/29/05 LMP
Trichloroethylene	<0.025	mg/kg	0.011	0.037	1	04/29/05 LMP
Trichlorofluoromethane	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1	04/29/05 LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.033	1	04/29/05 LMP
Vinyl Chloride	<0.025	mg/kg	0.018	0.06	1	04/29/05 LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1	04/29/05 LMP
o-Xylene	<0.025	mg/kg	0.008	0.027	1	04/29/05 LMP
PID Surrogate Recovery (%)	93.9	%	-	-	1	04/29/05 LMP

All results calculated on a dry weight basis.



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 175840.10
DATE REC'D: 04/28/05
REPORT DATE: 05/11/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MW7 12-13.5 Matrix: SOIL Sample Date/Time: 04/21/05 09:45 Lab No. 175844

Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
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EPA 8021 (Only positively identified analytes are reported on a dry weight basis
HALL Surrogate Recovery (S) 118. % - - 1

04/29/05 LMP

EPA 8310

Acenaphthene	<0.00582	mg/kg	0.0047	0.016	1	05/06/05	LMP
Acenaphthylene	<0.00818	mg/kg	0.0066	0.022	1	05/06/05	LMP
Anthracene	<0.0026	mg/kg	0.0021	0.007	1	05/06/05	LMP
Benzo(a)Anthracene	<0.00508	mg/kg	0.0041	0.014	1	05/06/05	LMP
Benzo(a)Pyrene	<0.00285	mg/kg	0.0023	0.0077	1	05/06/05	LMP
Benzo(b)Fluoranthene	<0.0026	mg/kg	0.0021	0.007	1	05/06/05	LMP
Benzo(k)Fluoranthene	<0.00359	mg/kg	0.0029	0.0097	1	05/06/05	LMP
Benzo(ghi)Perylene	<0.0026	mg/kg	0.0021	0.007	1	05/06/05	LMP
Chrysene	<0.00285	mg/kg	0.0023	0.0077	1	05/06/05	LMP
Dibenzo(a,h)Anthracene	<0.00173	mg/kg	0.0014	0.0047	1	05/06/05	LMP
Fluoranthene	<0.00273	mg/kg	0.00221	0.0074	1	05/06/05	LMP
Fluorene	<0.00248	mg/kg	0.002	0.0067	1	05/06/05	LMP
Indeno(1,2,3-cd)Pyrene	<0.00198	mg/kg	0.0016	0.0053	1	05/06/05	LMP
1-Methyl Naphthalene	<0.00434	mg/kg	0.0035	0.012	1	05/06/05	LMP
2-Methyl Naphthalene	<0.00508	mg/kg	0.0041	0.014	1	05/06/05	LMP
Naphthalene	<0.00198	mg/kg	0.0016	0.0053	1	05/06/05	LMP
Phenanthrene	<0.00285	mg/kg	0.0023	0.0077	1	05/06/05	LMP
Pyrene	<0.0026	mg/kg	0.0021	0.007	1	05/06/05	LMP
9,10-Diphenylanthracene (S)	81.9	%	-	-	1	05/06/05	LMP
Method 3550 Ultrasonic Ext.		COMP	-	-	-	05/04/05	KAM

MOSA21-2

Total Solids	80.7	%	-	0.33	-	05/05/05	EAZ
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All results calculated on a dry weight basis.



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 175840.11
 DATE REC'D : 04/28/05
 REPORT DATE: 05/11/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	MW8 7-8	Matrix:	SOIL	Sample Date/Time:	04/21/05 16:30	Lab No.	175845
				Dilution Factor		Date Analyzed	
	Result	Units	LOD	LOQ	Qualifiers		Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)							
Benzene	2.13	mg/kg	0.008	0.027	10.9	04/29/05	LMP
Bromobenzene	<0.217	mg/kg	0.007	0.023	10.9	04/29/05	LMP
3-Bromodichloromethane	<0.217	mg/kg	0.006	0.02	10.9	04/29/05	LMP
n-Butylbenzene	<0.217	mg/kg	0.012	0.04	10.9	04/29/05	LMP
sec-Butylbenzene	<0.217	mg/kg	0.01	0.033	10.9	04/29/05	LMP
tert-Butylbenzene	<0.217	mg/kg	0.01	0.033	10.9	04/29/05	LMP
Carbon Tetrachloride	<0.217	mg/kg	0.008	0.027	10.9 LCH	04/29/05	LMP
Chlorobenzene	<0.217	mg/kg	0.007	0.023	10.9	04/29/05	LMP
Chlorodibromomethane	<0.217	mg/kg	0.02	0.067	10.9	04/29/05	LMP
Chloroethane	<0.217	mg/kg	0.09	0.30	10.9	04/29/05	LMP
Chloroform	<0.217	mg/kg	0.01	0.033	10.9	04/29/05	LMP
Chloromethane	<0.217	mg/kg	0.01	0.033	10.9	04/29/05	LMP
2-Chlorotoluene	<0.217	mg/kg	0.008	0.027	10.9	04/29/05	LMP
4-Chlorotoluene	<0.217	mg/kg	0.008	0.027	10.9	04/29/05	LMP
1,2-Dibromo-3-chloropropane	<0.217	mg/kg	0.009	0.03	10.9	04/29/05	LMP
1,2-Dibromoethane	<0.217	mg/kg	0.012	0.04	10.9	04/29/05	LMP
1,2-Dichlorobenzene	<0.217	mg/kg	0.008	0.027	10.9	04/29/05	LMP
1,3-Dichlorobenzene	<0.217	mg/kg	0.008	0.027	10.9	04/29/05	LMP
1,4-Dichlorobenzene	<0.217	mg/kg	0.008	0.027	10.9	04/29/05	LMP
Dichlorodifluoromethane	<0.217	mg/kg	0.014	0.047	10.9 CSL LCL DUP	04/29/05	LMP
1,1-Dichloroethane	<0.217	mg/kg	0.009	0.03	10.9 LCL	04/29/05	LMP
1,2-Dichloroethane	<0.217	mg/kg	0.005	0.017	10.9 CSL	04/29/05	LMP
1,1-Dichloroethylene	<0.217	mg/kg	0.016	0.053	10.9	04/29/05	LMP
cis-1,2-Dichloroethylene	<0.217	mg/kg	0.007	0.023	10.9 CSL	04/29/05	LMP
trans-1,2-Dichloroethylene	<0.217	mg/kg	0.01	0.033	10.9 LCL	04/29/05	LMP
1,2-Dichloropropene	<0.217	mg/kg	0.007	0.023	10.9	04/29/05	LMP
1,3-Dichloropropene	<0.217	mg/kg	0.008	0.027	10.9	04/29/05	LMP
2,2-Dichloropropene	<0.217	mg/kg	0.008	0.027	10.9 CSH	04/29/05	LMP
Ethylbenzene	9.35	mg/kg	0.007	0.023	10.9 CSL	04/29/05	LMP
Hexachlorobutadiene	<0.217	mg/kg	0.015	0.05	10.9	04/29/05	LMP
Isopropylbenzene	<0.217	mg/kg	0.009	0.03	10.9	04/29/05	LMP
Isopropyl Ether	<0.217	mg/kg	0.014	0.047	10.9	04/29/05	LMP
p-Isopropyltoluene	4.82	mg/kg	0.011	0.037	10.9	04/29/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.217	mg/kg	0.018	0.06	10.9 CSL DUP	04/29/05	LMP
Methylene Chloride	<0.217	mg/kg	0.014	0.047	10.9	04/29/05	LMP
Naphthalene	6.91	mg/kg	0.01	0.033	10.9	04/29/05	LMP
n-Propylbenzene	7.53	mg/kg	0.009	0.03	10.9	04/29/05	LMP
Tetrachloroethylene	<0.217	mg/kg	0.009	0.03	10.9	04/29/05	LMP
1,1,2,2-Tetrachloroethane	<0.217	mg/kg	0.006	0.02	10.9	04/29/05	LMP
Toluene	9.71	mg/kg	0.007	0.023	10.9	04/29/05	LMP
1,2,3-Trichlorobenzene	<0.217	mg/kg	0.014	0.047	10.9	04/29/05	LMP
1,2,4-Trichlorobenzene	<0.217	mg/kg	0.014	0.047	10.9	04/29/05	LMP
1,1,1-Trichloroethane	<0.217	mg/kg	0.008	0.027	10.9 LCH	04/29/05	LMP
1,1,2-Trichloroethane	<0.217	mg/kg	0.006	0.02	10.9	04/29/05	LMP
Trichloroethylene	<0.217	mg/kg	0.011	0.037	10.9	04/29/05	LMP
Trichlorofluoromethane	<0.217	mg/kg	0.008	0.027	10.9 ISH	04/29/05	LMP
1,2,4-Trimethylbenzene	32.2	mg/kg	0.012	0.04	5.4	05/04/05	LMP
1,3,5-Trimethylbenzene	13.9	mg/kg	0.01	0.033	10.9	04/29/05	LMP
Vinyl Chloride	<0.217	mg/kg	0.018	0.06	10.9	04/29/05	LMP
m- & p-Xylene	33.8	mg/kg	0.015	0.05	10.9	04/29/05	LMP
o-Xylene	14.0	mg/kg	0.008	0.027	10.9	04/29/05	LMP
PID Surrogate Recovery (S)	75.1	%	-	-	1	04/29/05	LMP

All results calculated on a dry weight basis.



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO. : 175840.12
DATE REC'D : 04/28/05
REPORT DATE: 05/11/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MW8 7-8 Matrix: SOIL Sample Date/Time: 04/21/05 16:30 Lab No. 175845

<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
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EPA 8021 (Only positively identified analytes are reported on a dry weight basis
HALL Surrogate Recovery (S) 115. % - - 1

04/29/05 LMP

EPA 8310

Acenaphthene	<0.00511	mg/kg	0.0047	0.016	1	05/06/05	LMP
Acenaphthylene	<0.00717	mg/kg	0.0066	0.022	1	05/06/05	LMP
Anthracene	<0.00228	mg/kg	0.0021	0.007	1	05/06/05	LMP
Benzo(a)Anthracene	<0.00446	mg/kg	0.0041	0.014	1	05/06/05	LMP
Benzo(a)Pyrene	<0.0025	mg/kg	0.0023	0.0077	1	05/06/05	LMP
Benzo(b)Fluoranthene	<0.00228	mg/kg	0.0021	0.007	1	05/06/05	LMP
Benzo(k)Fluoranthene	<0.00315	mg/kg	0.0029	0.0097	1	05/06/05	LMP
Benzo(ghi)Perylene	<0.00228	mg/kg	0.0021	0.007	1	05/06/05	LMP
Chrysene	<0.0025	mg/kg	0.0023	0.0077	1	05/06/05	LMP
Dibenzo(a,h)Anthracene	<0.00152	mg/kg	0.0014	0.0047	1	05/06/05	LMP
Fluoranthene	<0.00239	mg/kg	0.00221	0.0074	1	05/06/05	LMP
Fluorene	<0.00217	mg/kg	0.002	0.0067	1	05/06/05	LMP
Indeno(1,2,3-cd)Pyrene	<0.00174	mg/kg	0.0016	0.0053	1	05/06/05	LMP
1-Methyl Naphthalene	0.0226	mg/kg	0.0035	0.012	1	05/06/05	LMP
2-Methyl Naphthalene	0.0549	mg/kg	0.0041	0.014	1	05/06/05	LMP
Naphthalene	0.0128	mg/kg	0.0016	0.0053	1	05/06/05	LMP
Phenanthrene	<0.0025	mg/kg	0.0023	0.0077	1	05/06/05	LMP
Pyrene	<0.00228	mg/kg	0.0021	0.007	1	05/06/05	LMP
9,10-Diphenylanthracene (S)	87.1	%	-	-	1	05/06/05	LMP
Method 3550 Ultrasonic Ext.		COMP	-	-	-	05/04/05	KAM

MOSA21-2

Total Solids	92.0	%	-	0.33	-	05/05/05	EAZ
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All results calculated on a dry weight basis.



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200 Indiana Ave
Stevens Point, WI 54481

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO. : 175840.13
DATE REC'D : 04/28/05
REPORT DATE: 05/11/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	MW9 9-11	Matrix:	SOIL	Sample Date/Time:	04/21/05 19:30	Lab No.	175846
				Dilution Factor		Date Analyzed	Analyst
	Result	Units	LOD	LOQ	Qualifiers		
EPA 8021 (Only positively identified analytes are reported on a dry weight basis)							
Benzene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
Bromobenzene	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
Bromodichloromethane	<0.025	mg/kg	0.006	0.02	1	04/29/05	LMP
n-Butylbenzene	<0.025	mg/kg	0.012	0.04	1	04/29/05	LMP
sec-Butylbenzene	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
tert-Butylbenzene	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
Carbon Tetrachloride	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
Chlorobenzene	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
Chlorodibromomethane	<0.025	mg/kg	0.02	0.067	1	04/29/05	LMP
Chloroethane	<0.025	mg/kg	0.09	0.30	1	04/29/05	LMP
Chloroform	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
Chloromethane	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
2-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
4-Chlorotoluene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/kg	0.009	0.03	1	04/29/05	LMP
1,2-Dibromoethane	<0.025	mg/kg	0.012	0.04	1	04/29/05	LMP
1,2-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
1,3-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
1,4-Dichlorobenzene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
Dichlorodifluoromethane	<0.025	mg/kg	0.014	0.047	1	04/29/05	LMP
1,1-Dichloroethane	<0.025	mg/kg	0.009	0.03	1	04/29/05	LMP
1,2-Dichloroethane	<0.025	mg/kg	0.005	0.017	1	04/29/05	LMP
1,1-Dichloroethylene	<0.025	mg/kg	0.016	0.053	1	04/29/05	LMP
cis-1,2-Dichloroethylene	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
trans-1,2-Dichloroethylene	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
1,2-Dichloropropane	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
1,3-Dichloropropane	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
2,2-Dichloropropane	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
Hexachlorobutadiene	<0.025	mg/kg	0.015	0.05	1	04/29/05	LMP
Isopropylbenzene	<0.025	mg/kg	0.009	0.03	1	04/29/05	LMP
Isopropyl Ether	<0.025	mg/kg	0.014	0.047	1	04/29/05	LMP
p-Isopropyltoluene	<0.025	mg/kg	0.011	0.037	1	04/29/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.06	1	04/29/05	LMP
Methylene Chloride	<0.025	mg/kg	0.014	0.047	1	04/29/05	LMP
Naphthalene	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
n-Propylbenzene	<0.025	mg/kg	0.009	0.03	1	04/29/05	LMP
Tetrachloroethylene	<0.025	mg/kg	0.009	0.03	1	04/29/05	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.006	0.02	1	04/29/05	LMP
Toluene	<0.025	mg/kg	0.007	0.023	1	04/29/05	LMP
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1	04/29/05	LMP
1,2,4-Trichlorobenzene	<0.025	mg/kg	0.014	0.047	1	04/29/05	LMP
1,1,1-Trichloroethane	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
1,1,2-Trichloroethane	<0.025	mg/kg	0.006	0.02	1	04/29/05	LMP
Trichloroethylene	<0.025	mg/kg	0.011	0.037	1	04/29/05	LMP
Trichlorofluoromethane	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1	04/29/05	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.033	1	04/29/05	LMP
Vinyl Chloride	<0.025	mg/kg	0.018	0.06	1	04/29/05	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1	04/29/05	LMP
o-Xylene	<0.025	mg/kg	0.008	0.027	1	04/29/05	LMP
PID Surrogate Recovery (S)	91.4	%	-	-	1	04/29/05	LMP

All results calculated on a dry weight basis.



A Siemens Business

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 175840.14
 DATE REC'D : 04/28/05
 REPORT DATE: 05/11/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MW9 9-11 Matrix: SOIL Sample Date/Time: 04/21/05 19:30 Lab No. 175846

Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
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EPA 8021 (Only positively identified analytes are reported on a dry weight basis)
 HALL Surrogate Recovery (S) 118. % - - 1

04/29/05 LMP

EPA 8310

Acenaphthene	<0.00565	mg/kg	0.0047	0.016	1		05/06/05	LMP
Acenaphthylene	<0.00793	mg/kg	0.0066	0.022	1		05/06/05	LMP
Anthracene	<0.00252	mg/kg	0.0021	0.007	1		05/06/05	LMP
Benzo(a)Anthracene	<0.00493	mg/kg	0.0041	0.014	1		05/06/05	LMP
Benzo(a)Pyrene	0.00919	mg/kg	0.0023	0.0077	1	J	05/06/05	LMP
Benzo(b)Fluoranthene	<0.00252	mg/kg	0.0021	0.007	1		05/06/05	LMP
Benzo(k)Fluoranthene	<0.00349	mg/kg	0.0029	0.0097	1		05/06/05	LMP
Benzo(ghi)Perylene	<0.00252	mg/kg	0.0021	0.007	1		05/06/05	LMP
Chrysene	<0.00276	mg/kg	0.0023	0.0077	1		05/06/05	LMP
Dibenzo(a,h)Anthracene	<0.00168	mg/kg	0.0014	0.0047	1	CSH	05/06/05	LMP
Fluoranthene	0.0108	mg/kg	0.00221	0.0074	1		05/06/05	LMP
Fluorene	<0.0024	mg/kg	0.002	0.0067	1		05/06/05	LMP
Indeno(1,2,3-cd)Pyrene	<0.00192	mg/kg	0.0016	0.0053	1		05/06/05	LMP
1-Methyl Naphthalene	<0.00421	mg/kg	0.0035	0.012	1		05/06/05	LMP
2-Methyl Naphthalene	<0.00493	mg/kg	0.0041	0.014	1		05/06/05	LMP
Naphthalene	<0.00192	mg/kg	0.0016	0.0053	1		05/06/05	LMP
Phenanthrene	0.00635	mg/kg	0.0023	0.0077	1	J	05/06/05	LMP
Pyrene	0.0157	mg/kg	0.0021	0.007	1		05/06/05	LMP
9,10-Diphenylanthracene (S)	89.8	%	-	-	1		05/06/05	LMP
Method 3550 Ultrasonic Ext.	COMP		-	-	-		05/04/05	KAM

MOSA21-2

Total Solids	83.2	%	-	0.33	-	05/05/05	EAZ
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All results calculated on a dry weight basis.



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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, Wi 54481

PROJECT NO.: 82060
REPORT NO. : 175840.15
DATE REC'D : 04/28/05
REPORT DATE: 05/11/05
PREPARED BY: JRS

Attn: Dave Senfelds

Qualifier Descriptions

- | | |
|-----|---|
| LCH | The laboratory control sample for this analyte exhibited a high bias. Sample results may also be biased high. |
| CSL | Check standard for this analyte exhibited a low bias. Sample results may also be biased low. |
| LCL | The laboratory control sample for this analyte exhibited a low bias. Sample results may also be biased low. |
| DUP | Result of duplicate analysis in this quality assurance batch exceeds the limits for precision. |
| CSH | Check standard for this analyte exhibited a high bias. Sample results may also be biased high. |
| J | Estimated concentration below laboratory quantitation level. |
| ISH | Internal standard recovery exceeds normal limits. Sample results may be biased low. |



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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Sample Receipt Report

Client: Earth Tech

Date Received: 4/28/05

Analytical No.: 17175840 Through 17175846

Check all deviations from EPA or WDNR sample protocol.

- Sample(s) received at ____ °C which is above the EPA and WDNR limit of 4°C.
- VOC vial(s) received with headspace. Explain: _____

- Sample(s) received in bottles not furnished by Enviroscan. Preservation method, if used, is unknown.
- Sample(s) not properly preserved per EPA/WDNR protocol for the following: _____

- Sample(s) received beyond EPA holding time for: _____

- Sample date/time not supplied by client. Actual holding time unknown.
- GRO/PVOC/VOC/DRO (circle appropriate) sample(s) are < 19.5 gms and this report is the flag for that information. Sample(s) under-weight: _____

- GRO/PVOC/VOC(circle appropriate) sample(s) were between 26.4-35.4 gms so methanol was added in a 1:1 ratio. Sample(s) included: 17175842 + 2 ml
175846 + 2 ml

- GRO/PVOC/VOC/DRO (circle appropriate) sample(s) were > 35.4 gms and are required to be rejected. Sample(s) included: _____

- Other: _____

Client contact concerning the above deviations:

Client _____ (contact name) notified of the above deviation(s) on ___/___/___
at ___:___ am/pm by _____ and the client ordered:
(signature)

- Proceed with analyses as ordered.
- Proceed with analyses after taking the following corrective action: _____

- Do NOT proceed with analyses.

REQUEST FOR SERVICES

ES *USFilter*

ENVIROSCAN SERVICES

301 W. MILITARY RD.

ROTHSCHILD, WI 54474

1-800-338-SCAN

REPORT TO:

Name: DAVE SENFELDS
Company: EARTH TECH, INC.
Address: ZOO INDIANA AVE
STEVENS POINT, WI 54481
Phone: (715) 342-3039
P.O.#
Project # 82060 Quote # PECFIA
Location CITY

BILL TO: (if different from Report To info)

Name: _____
Company: ~~A~~ - SAME
Address: _____
Phone: (_____) _____

ANALYTICAL REQUESTS

(use separate sheet if necessary)

Sample Type <i>(Check all that apply)</i>	Turnaround Time
<input type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater <input checked="" type="checkbox"/> Soil/Solid <input type="checkbox"/> Drinking Water <input type="checkbox"/> Oil <input type="checkbox"/> Vapor <input type="checkbox"/> Other	<input type="checkbox"/> Normal <input type="checkbox"/> Rush (Pre-approved by Lab)
	Date Needed _____
	Approved By _____

CHAIN OF CUSTODY RECORD

SAMPLERS: (Signature)

Phil Esman

D&V Hand Comm			
Ship Cont UK	<input checked="" type="checkbox"/>	N	N/A
Samples leaking?	<input checked="" type="checkbox"/>	C	N/A
Seals OK?	<input checked="" type="checkbox"/>	N	N/A
Rec'd on ice?	<input checked="" type="checkbox"/>	N	N/A

Comments:

<i>Paul Egan</i>		
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
<i>Paul Egan</i>	4/28/03 14:50	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature) <i>John Adler</i>



A Siemens Business

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

RECEIVED

February 3, 2005

FEB 4 2005

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, Wi 54481

EARTH TECH

Attn: Dave Senfelds

REPORT NO.: 170421

PROJECT NO.: 82060

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received January 28, 2005.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

Eric A. Lorge
Project Manager

GW: 1/05

TW-1

TW-2

TW-3

TW-4

* BACKCHECKED 8/29/05
PSE

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by:

Certifications:

Wisconsin 737053130
Minnesota 055-999-302
Maryland 276

Oregon (WI-100001)
Illinois 200025
Washington C293



A Siemens Business

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Sample Summary

170421.2

<u>Lab Id</u>	<u>Client Sample ID</u>	<u>Date/Time</u>	<u>Matrix</u>
170421	TRIP BLANK-USF	01/27/05	WATER
170422	TW1	01/27/05 10:50	GROUNDWATER
170423	TW2	01/27/05 11:40	GROUNDWATER
170424	TW3	01/27/05 12:15	GROUNDWATER
170425	TW4	01/27/05 12:55	GROUNDWATER

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection (Not dilution corrected)

$\mu\text{g/l}$ = Micrograms per liter = parts per billion (ppb)

LOQ = Limit of Quantitation (Not dilution corrected)

$\mu\text{g/kg}$ = Micrograms per kilogram = parts per billion (ppb)

< = Less Than

mg/l = Milligrams per liter = parts per million (ppm)

COMP = Complete

mg/kg = Milligrams per kilogram = parts per million (ppm)

SUBCON = Subcontracted analysis

NOT PRES = Not Present

mv = millivolts

ppth = Parts per thousand

pCi/l = picocurie per liter

(S) = Surrogate Compound

ml/l = mililiters/Liter

mg/m^3 = Milligrams/meter cube

mg = milligrams

ng/l = Nanograms per liter



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, Wi 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO. : 170421.3
DATE REC'D : 01/28/05
REPORT DATE: 02/03/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TRIP BLANK-USF Matrix: WATER Sample Date/Time: 01/27/05 Lab No. 170421

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		02/02/05	LMP
Bromodichloromethane	<0.83	µg/l	0.83	2.76	1		02/02/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1		02/02/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
Carbon Tetrachloride	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		02/02/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		02/02/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
Chloroform	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	CSH	02/02/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		02/02/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		02/02/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
1,4-Dichlorobenzene	1.85	µg/l	0.6	2.0	1		02/02/05	LMP
Dichlorodifluoromethane	0.991	µg/l	0.7	2.33	1	J	02/02/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		02/02/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		02/02/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	02/02/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		02/02/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		02/02/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		02/02/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		02/02/05	LMP
1,1,2-Trichloroethane	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		02/02/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		02/02/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
PID Surrogate Recovery (S)	91.8	%	-	-	1		02/02/05	LMP
HALL Surrogate Recovery (S)	127.	%	-	-	1		02/02/05	LMP



A Siemens Business

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 170421.4
DATE REC'D.: 01/28/05
REPORT DATE: 02/03/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID:	TW1	Matrix:	GRDWTR	Sample Date/Time: 01/27/05 10:50			Lab No. 170422		
		Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021									
Benzene	0.683	µg/l	0.31	1.03	1	J	02/02/05	LMP	
Bromobenzene	<0.41	µg/l	0.41	1.37	1		02/02/05	LMP	
Bromodichloromethane	<0.83	µg/l	0.83	2.76	1		02/02/05	LMP	
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1		02/02/05	LMP	
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP	
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP	
Carbon Tetrachloride	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP	
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		02/02/05	LMP	
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		02/02/05	LMP	
Chloroethane	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP	
Chloroform	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP	
Chloromethane	<0.29	µg/l	0.29	0.97	1	CSH	02/02/05	LMP	
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP	
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP	
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		02/02/05	LMP	
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		02/02/05	LMP	
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP	
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP	
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP	
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1		02/02/05	LMP	
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP	
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP	
1,1-Dichloroeth(yl)ene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP	
cis-1,2-Dichloroeth(yl)ene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP	
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		02/02/05	LMP	
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP	
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		02/02/05	LMP	
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	02/02/05	LMP	
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP	
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP	
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP	
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP	
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP	
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP	
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP	
Naphthalene	<0.8	µg/l	0.8	2.66	1		02/02/05	LMP	
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP	
Tetrachloroeth(yl)ene	<0.45	µg/l	0.45	1.5	1		02/02/05	LMP	
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		02/02/05	LMP	
Toluene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP	
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP	
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP	
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		02/02/05	LMP	
1,1,2-Trichloroethane	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP	
Trichloroeth(yl)ene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP	
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP	
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP	
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP	
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		02/02/05	LMP	
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		02/02/05	LMP	
o-Xylene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP	
PID Surrogate Recovery (S)	91.8	%	-	-	1		02/02/05	LMP	
HALL Surrogate Recovery (S)	132.	%	-	-	1		02/02/05	LMP	



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 170421.5
DATE REC'D.: 01/28/05
REPORT DATE: 02/03/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW2 Matrix: GRDWTR Sample Date/Time: 01/27/05 11:40 Lab No. 170423

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		02/02/05	LMP
Bromodichloromethane	<0.83	µg/l	0.83	2.76	1		02/02/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1		02/02/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
Carbon Tetrachloride	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		02/02/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		02/02/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
Chloroform	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	CSH	02/02/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		02/02/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		02/02/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1		02/02/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		02/02/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1	CSL	02/02/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1		02/02/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		02/02/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		02/02/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		02/02/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		02/02/05	LMP
1,1,2-Trichloroethane	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		02/02/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		02/02/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
PID Surrogate Recovery (S)	91.4	%	-	-	1		02/02/05	LMP
HALL Surrogate Recovery (S)	127.	%	-	-	1		02/02/05	LMP



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 170421.6
DATE REC'D.: 01/28/05
REPORT DATE: 02/03/05
PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW3 Matrix: GRDWTR Sample Date/Time: 01/27/05 12:15 Lab No. 170424

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		02/02/05	LMP
Bromodichloromethane	<0.83	µg/l	0.83	2.76	1		02/02/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1		02/02/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
Carbon Tetrachloride	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		02/02/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		02/02/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
Chloroform	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	CSH	02/02/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		02/02/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		02/02/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1		02/02/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		02/02/05	LMP
1,2-Dichloroproppane	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
1,3-Dichloroproppane	<0.9	µg/l	0.9	3.0	1	CSL	02/02/05	LMP
2,2-Dichloroproppane	<1.50	µg/l	1.5	5.0	1		02/02/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		02/02/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
Methylene Chloride	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		02/02/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		02/02/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		02/02/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		02/02/05	LMP
1,1,2-Trichloroethane	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		02/02/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		02/02/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		02/02/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		02/02/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		02/02/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		02/02/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		02/02/05	LMP
PID Surrogate Recovery (S)	91.3	%	-	-	1		02/02/05	LMP
HALL Surrogate Recovery (S)	129.	%	-	-	1		02/02/05	LMP



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO.: 170421.7
 DATE REC'D.: 01/28/05
 REPORT DATE: 02/03/05
 PREPARED BY: EAL

Attn: Dave Senfelds

Sample ID: TW4 Matrix: GRDWTR Sample Date/Time: 01/27/05 12:55 Lab No. 170425

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	1,660.	µg/l	0.31	1.03	200		02/02/05	LMP
Bromobenzene	<82.0	µg/l	0.41	1.37	200		02/02/05	LMP
Bromodichloromethane	<166.	µg/l	0.83	2.76	200		02/02/05	LMP
n-Butylbenzene	<72.0	µg/l	0.36	1.2	200		02/02/05	LMP
sec-Butylbenzene	<80.0	µg/l	0.4	1.33	200		02/02/05	LMP
tert-Butylbenzene	<80.0	µg/l	0.4	1.33	200		02/02/05	LMP
Carbon Tetrachloride	<100.	µg/l	0.5	1.67	200		02/02/05	LMP
Chlorobenzene	<140.	µg/l	0.7	2.33	200		02/02/05	LMP
Dibromochloromethane	<174.	µg/l	0.87	2.9	200		02/02/05	LMP
Chloroethane	<200.	µg/l	1.0	3.33	200		02/02/05	LMP
Chloroform	<80.0	µg/l	0.4	1.33	200		02/02/05	LMP
Chloromethane	<58.0	µg/l	0.29	0.97	200	CSH S1H S2H	02/02/05	LMP
2-Chlorotoluene	<120.	µg/l	0.6	2.0	200		02/02/05	LMP
4-Chlorotoluene	<200.	µg/l	1.0	3.33	200		02/02/05	LMP
Dibromochloropropane(DBCP)	<260.	µg/l	1.3	4.33	200		02/02/05	LMP
1,2-Dibromoethane(EDB)	<220.	µg/l	1.1	3.66	200		02/02/05	LMP
1,2-Dichlorobenzene	<120.	µg/l	0.6	2.0	200		02/02/05	LMP
1,3-Dichlorobenzene	<100.	µg/l	0.5	1.67	200		02/02/05	LMP
1,4-Dichlorobenzene	<120.	µg/l	0.6	2.0	200		02/02/05	LMP
Dichlorodifluoromethane	<140.	µg/l	0.7	2.33	200		02/02/05	LMP
1,1-Dichloroethane	<100.	µg/l	0.5	1.67	200		02/02/05	LMP
1,2-Dichloroethane	<80.0	µg/l	0.4	1.33	200		02/02/05	LMP
1,1-Dichloroethyl(yl)ene	<100.	µg/l	0.5	1.67	200		02/02/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<80.0	µg/l	0.4	1.33	200		02/02/05	LMP
trans-1,2-Dichloroethylene	<78.0	µg/l	0.39	1.3	200		02/02/05	LMP
1,2-Dichloropropane	<80.0	µg/l	0.4	1.33	200		02/02/05	LMP
1,3-Dichloropropane	<180.	µg/l	0.9	3.0	200		02/02/05	LMP
2,2-Dichloropropane	<300.	µg/l	1.5	5.0	200	CSL S2L	02/02/05	LMP
Ethylbenzene	355.	µg/l	0.5	1.67	200		02/02/05	LMP
Hexachlorobutadiene	<200.	µg/l	1.0	3.33	200		02/02/05	LMP
Isopropylbenzene	<62.0	µg/l	0.31	1.03	200		02/02/05	LMP
Isopropyl Ether	<120.	µg/l	0.6	2.0	200		02/02/05	LMP
p-Isopropyltoluene	<100.	µg/l	0.5	1.67	200		02/02/05	LMP
Methyl t-Butyl Ether(MTBE)	<60.0	µg/l	0.3	1.0	200		02/02/05	LMP
Methylene Chloride	<100.	µg/l	0.5	1.67	200		02/02/05	LMP
Naphthalene	<160.	µg/l	0.8	2.66	200		02/02/05	LMP
n-Propylbenzene	<60.0	µg/l	0.3	1.0	200		02/02/05	LMP
Tetrachloroethyl(yl)ene	<90.0	µg/l	0.45	1.5	200		02/02/05	LMP
1,1,2,2-Tetrachloroethane	<122.	µg/l	0.61	2.03	200		02/02/05	LMP
Toluene	1,890.	µg/l	0.3	1.0	200		02/02/05	LMP
1,2,3-Trichlorobenzene	<100.	µg/l	0.5	1.67	200		02/02/05	LMP
1,2,4-Trichlorobenzene	<200.	µg/l	1.0	3.33	200		02/02/05	LMP
1,1,1-Trichloroethane	<84.0	µg/l	0.42	1.4	200		02/02/05	LMP
1,1,2-Trichloroethane	<100.	µg/l	0.5	1.67	200		02/02/05	LMP
Trichloroethyl(yl)ene	<100.	µg/l	0.5	1.67	200		02/02/05	LMP
Trichlorofluoromethane	<200.	µg/l	1.0	3.33	200		02/02/05	LMP
1,2,4-Trimethylbenzene	215.	µg/l	0.4	1.33	200		02/02/05	LMP
1,3,5-Trimethylbenzene	<62.0	µg/l	0.31	1.03	200		02/02/05	LMP
Vinyl Chloride	<40.0	µg/l	0.2	0.67	200		02/02/05	LMP
m- & p-Xylene	859.	µg/l	0.62	2.06	200		02/02/05	LMP
o-Xylene	336.	µg/l	0.3	1.0	200		02/02/05	LMP
PID Surrogate Recovery (S)	90.4	%	-	-	200		02/02/05	LMP
HALL Surrogate Recovery (S)	124.	%	-	-	200		02/02/05	LMP



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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, Wi 54481

PROJECT NO.: 82060
REPORT NO. : 170421.8
DATE REC'D : 01/28/05
REPORT DATE: 02/03/05
PREPARED BY: EAL

Attn: Dave Senfelds

Qualifier Descriptions

CSH	Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
J	Estimated concentration below laboratory quantitation level.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
S1H	Sample matrix spike recovery was high. Sample result may be biased high.
S2H	Sample matrix spike duplicate recovery was high. Sample result may be biased high.
S2L	Sample matrix spike duplicate recovery was low. Sample result may be biased low.

REQUEST FOR SERVICES

ES *USFilter*

ENVIROSCAN SERVICES

301 W. MILITARY RD.

ROTHSCHILD, WI 54474

1-800-338-SCAN

REPORT TO:

Name: DAVE SENFELD
Company: EARTH TECH, INC.
Address: 200 INDIANA AVE
STEVENS POINT, WI 54481
Phone: (715) 342-3039
P.O.# _____
Project # \$12060 Quote # 7384
Location DNR - CHILI

BILL TO: (if different from Report To info)

Name: _____
Company: A SAME
Address: _____

Phone: ()

ANALYTICAL REQUESTS

(use separate sheet if necessary)

Sample Type
(Check all that apply)

- Groundwater
 - Wastewater
 - Soil/Solid
 - Drinking Water
 - Oil
 - Vapor
 - Other

Turnaround Time

- Normal
 - Rush (Pre-approved by Lab)

Date Needed _____
Approved By _____

CHAIN OF CUSTODY RECORD

SAMPLERS: (Signature)

Phil Egan

Delv. Hand Comm.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ship. Cont. OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seals OK?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rec'd on ice?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RELINQUISHED BY: (Signature) <i>Phil Esparre</i>	DATE/TIME 11/28/05 11:15	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature) <i>Sgt. K. L. Hiltner</i>



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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

June 29, 2005

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, Wi 54481

Attn: Dave Senfelds

REPORT NO.: 179625

PROJECT NO.: 82060

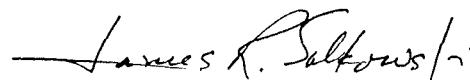
Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received June 22, 2005.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services



James R. Salkowski
Laboratory Director

GW: 6/05

ALL MWs

BACK CHECKED 8/29/05

PJE

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by:



Certifications:

Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317



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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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Sample Summary

179625.2

<u>Lab Id</u>	<u>Client Sample ID</u>	<u>Date/Time</u>	<u>Matrix</u>
179625	TRIP BLANK-USF	06/21/05	WATER
179626	MW1	06/21/05 10:00	GROUNDWATER
179627	MW2	06/21/05 10:30	GROUNDWATER
179628	MW3	06/21/05 10:55	GROUNDWATER
179629	MW4	06/21/05 11:20	GROUNDWATER
179630	MW4 DUP	06/21/05 11:20	GROUNDWATER
179631	MW5	06/21/05 11:40	GROUNDWATER
179632	MW6	06/21/05 13:20	GROUNDWATER
179633	MW7	06/21/05 13:45	GROUNDWATER
179634	PZ7	06/21/05 14:15	GROUNDWATER
179635	MW8	06/21/05 15:01	GROUNDWATER
179636	MW9	06/21/05 14:40	GROUNDWATER

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection (Not dilution corrected)

LOQ = Limit of Quantitation (Not dilution corrected)

< = Less Than

COMP = Complete

SUBCON = Subcontracted analysis

mv = millivolts

pCi/l = picocurie per liter

ml/l = mililiters/Liter

mg = milligrams

$\mu\text{g/l}$ = Micrograms per liter = parts per billion (ppb)

$\mu\text{g/kg}$ = Micrograms per kilogram = parts per billion (ppb)

mg/l = Milligrams per liter = parts per million (ppm)

mg/kg = Milligrams per kilogram = parts per million (ppm)

NOT PRES = Not Present

ppth = Parts per thousand

(S) = Surrogate Compound

mg/m³ = Milligrams/meter cube

ng/l = Nanograms per liter



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PROJECT NO.: 82060
 REPORT NO. : 179625.3
 DATE REC'D : 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: TRIP BLANK-USF Matrix: WATER Sample Date/Time: 06/21/05 Lab No. 179625

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		06/24/05	LMP
3-Bromodichloromethane	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
1-Butylbenzene	<0.36	µg/l	0.36	1.2	1		06/24/05	LMP
Sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		06/24/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		06/24/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1		06/24/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1		06/24/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		06/24/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		06/24/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1		06/24/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1	CSH	06/24/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		06/24/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		06/24/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1		06/24/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		06/24/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		06/24/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		06/24/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		06/24/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		06/24/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		06/24/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
PID Surrogate Recovery (S)	100.	%	-	-	1		06/24/05	LMP
HALL Surrogate Recovery (S)	98.3	%	-	-	1		06/24/05	LMP



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PROJECT NO.: 82060
 REPORT NO.: 179625.4
 DATE REC'D: 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	MW1	Matrix:	GRDWTR	Sample Date/Time:	06/21/05 10:00	Lab No.	179626
				Dilution Factor		Date Analyzed	
	Result	Units	LOD	LOQ	Qualifiers		Analyst
EPA 8021							
Benzene	1.38	µg/l	0.31	1.03	1	06/24/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1	06/24/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1	06/24/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1	06/24/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1	06/24/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1	06/24/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	06/24/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1	06/24/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1	06/24/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	06/24/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1	CSH	06/24/05 LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1	06/24/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1	06/24/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	06/24/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1	06/24/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1	06/24/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1	06/24/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1	06/24/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1	06/24/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1	06/24/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1	06/24/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1	06/24/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
PID Surrogate Recovery (S)	102.	%	-	-	1	06/24/05	LMP
HALL Surrogate Recovery (S)	96.5	%	-	-	1	06/24/05	LMP



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PROJECT NO.: 82060
 REPORT NO. : 179625.5
 DATE REC'D : 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	MW2	Matrix:	GRDWTR	Sample Date/Time:	06/21/05 10:30	Lab No.	179627
				Dilution Factor		Date Analyzed	Analyst
	Result	Units	LOD	LOQ	Qualifiers		
EPA 8021							
Benzene	<0.31	µg/l	0.31	1.03	1	06/24/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1	06/24/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
γ-Butylbenzene	<0.36	µg/l	0.36	1.2	1	06/24/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1	06/24/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1	06/24/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1	06/24/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	06/24/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1	06/24/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1	06/24/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	06/24/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1	06/24/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1	06/24/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	06/24/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1	06/24/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1	06/24/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1	06/24/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1	06/24/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1	06/24/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1	06/24/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1	06/24/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1	06/24/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
PID Surrogate Recovery (S)	100.	%	-	-	1	06/24/05	LMP
HALL Surrogate Recovery (S)	96.4	%	-	-	1	06/24/05	LMP



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PROJECT NO.: 82060
 REPORT NO. : 179625.6
 DATE REC'D : 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	MW3	Matrix:	GRDWTR	Sample Date/Time:	06/21/05 10:55	Lab No.	179628
				Dilution Factor		Date Analyzed	
		Result	Units	LOD	LOQ	Qualifiers	Analyst
EPA 8021							
Benzene	<0.31	µg/l	0.31	1.03	1	06/24/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1	06/24/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1	06/24/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1	06/24/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1	06/24/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1	06/24/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	06/24/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1	06/24/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1	06/24/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	06/24/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1	CSH	06/24/05 LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05 LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1	06/24/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1	06/24/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	06/24/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1	06/24/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1	06/24/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1	06/24/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1	06/24/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1	06/24/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1	06/24/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	06/24/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1	06/24/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1	06/24/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1	06/24/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1	06/24/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1	06/24/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1	06/24/05	LMP
PID Surrogate Recovery (S)	102.	%	-	-	1	06/24/05	LMP
HALL Surrogate Recovery (S)	94.4	%	-	-	1	06/24/05	LMP



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO.: 179625.7
 DATE REC'D: 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	MW4	Matrix:	GRDWTR	Sample Date/Time:	06/21/05 11:20	Lab No.	179629		
		Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021									
Benzene	164.	µg/l	0.31	1.03	10			06/24/05	LMP
Bromobenzene	<4.10	µg/l	0.41	1.37	10			06/24/05	LMP
Bromodichloromethane	<3.00	µg/l	0.3	1.0	10			06/24/05	LMP
n-Butylbenzene	34.1	µg/l	0.36	1.2	10		CSL	06/24/05	LMP
sec-Butylbenzene	<4.00	µg/l	0.4	1.33	10			06/24/05	LMP
tert-Butylbenzene	<4.00	µg/l	0.4	1.33	10		CSL	06/24/05	LMP
Carbon Tetrachloride	<3.00	µg/l	0.3	1.0	10			06/24/05	LMP
Chlorobenzene	<7.00	µg/l	0.7	2.33	10			06/24/05	LMP
Dibromochloromethane	<8.70	µg/l	0.87	2.9	10			06/24/05	LMP
Chloroethane	<10.0	µg/l	1.0	3.33	10			06/24/05	LMP
Chloroform	<2.00	µg/l	0.2	0.67	10			06/24/05	LMP
Chloromethane	<2.90	µg/l	0.29	0.97	10		CSL	06/24/05	LMP
2-Chlorotoluene	<6.00	µg/l	0.6	2.0	10			06/24/05	LMP
4-Chlorotoluene	<10.0	µg/l	1.0	3.33	10			06/24/05	LMP
Dibromochloropropane(DBCP)	<13.0	µg/l	1.3	4.33	10			06/24/05	LMP
1,2-Dibromoethane(EDB)	<11.0	µg/l	1.1	3.66	10			06/24/05	LMP
1,2-Dichlorobenzene	<6.00	µg/l	0.6	2.0	10			06/24/05	LMP
1,3-Dichlorobenzene	<5.00	µg/l	0.5	1.67	10			06/24/05	LMP
1,4-Dichlorobenzene	<6.00	µg/l	0.6	2.0	10			06/24/05	LMP
Dichlorodifluoromethane	<7.00	µg/l	0.7	2.33	10		CSL	06/24/05	LMP
1,1-Dichloroethane	<5.00	µg/l	0.5	1.67	10			06/24/05	LMP
1,2-Dichloroethane	<4.00	µg/l	0.4	1.33	10			06/24/05	LMP
1,1-Dichloroethyl(yl)ene	<5.00	µg/l	0.5	1.67	10			06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<4.00	µg/l	0.4	1.33	10			06/24/05	LMP
trans-1,2-Dichloroethylene	<3.90	µg/l	0.39	1.3	10			06/24/05	LMP
1,2-Dichloropropane	<4.00	µg/l	0.4	1.33	10			06/24/05	LMP
1,3-Dichloropropane	<9.00	µg/l	0.9	3.0	10			06/24/05	LMP
2,2-Dichloropropane	<15.0	µg/l	1.5	5.0	10		CSL	06/24/05	LMP
Ethylbenzene	79.2	µg/l	0.5	1.67	10			06/24/05	LMP
Hexachlorobutadiene	<10.0	µg/l	1.0	3.33	10		CSL	06/24/05	LMP
Isopropylbenzene	11.6	µg/l	0.31	1.03	10			06/24/05	LMP
Isopropyl Ether	<6.00	µg/l	0.6	2.0	10			06/24/05	LMP
p-Isopropyltoluene	<5.00	µg/l	0.5	1.67	10			06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<3.00	µg/l	0.3	1.0	10			06/24/05	LMP
Methylene Chloride	<3.00	µg/l	0.3	1.0	10			06/24/05	LMP
Naphthalene	30.0	µg/l	0.8	2.66	10			06/24/05	LMP
n-Propylbenzene	16.7	µg/l	0.3	1.0	10			06/24/05	LMP
Tetrachloroethyl(yl)ene	<4.50	µg/l	0.45	1.5	10			06/24/05	LMP
1,1,2,2-Tetrachloroethane	<6.10	µg/l	0.61	2.03	10			06/24/05	LMP
Toluene	269.	µg/l	0.3	1.0	10			06/24/05	LMP
1,2,3-Trichlorobenzene	<5.00	µg/l	0.5	1.67	10			06/24/05	LMP
1,2,4-Trichlorobenzene	<10.0	µg/l	1.0	3.33	10			06/24/05	LMP
1,1,1-Trichloroethane	<4.20	µg/l	0.42	1.4	10			06/24/05	LMP
1,1,2-Trichloroethane	<3.00	µg/l	0.3	1.0	10			06/24/05	LMP
Trichloroethyl(yl)ene	<5.00	µg/l	0.5	1.67	10			06/24/05	LMP
Trichlorofluoromethane	<10.0	µg/l	1.0	3.33	10			06/24/05	LMP
1,2,4-Trimethylbenzene	119.	µg/l	0.4	1.33	10			06/24/05	LMP
1,3,5-Trimethylbenzene	31.0	µg/l	0.31	1.03	10			06/24/05	LMP
Vinyl Chloride	<2.00	µg/l	0.2	0.67	10			06/24/05	LMP
m- & p-Xylene	314.	µg/l	0.62	2.06	10			06/24/05	LMP
o-Xylene	123.	µg/l	0.3	1.0	10			06/24/05	LMP
PID Surrogate Recovery (S)	103.	%	-	-	10			06/24/05	LMP
HALL Surrogate Recovery (S)	108.	%	-	-	10			06/24/05	LMP



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 179625.8
 DATE REC'D : 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MW4 DUP Matrix: GRDWTR Sample Date/Time: 06/21/05 11:20 Lab No. 179630

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	168.	µg/l	0.31	1.03	10		06/24/05	LMP
Bromobenzene	<4.10	µg/l	0.41	1.37	10		06/24/05	LMP
Bromodichloromethane	<3.00	µg/l	0.3	1.0	10		06/24/05	LMP
n-Butylbenzene	38.5	µg/l	0.36	1.2	10	CSL	06/24/05	LMP
sec-Butylbenzene	<4.00	µg/l	0.4	1.33	10		06/24/05	LMP
tert-Butylbenzene	<4.00	µg/l	0.4	1.33	10	CSL	06/24/05	LMP
Carbon Tetrachloride	<3.00	µg/l	0.3	1.0	10		06/24/05	LMP
Chlorobenzene	<7.00	µg/l	0.7	2.33	10		06/24/05	LMP
Dibromochloromethane	<8.70	µg/l	0.87	2.9	10		06/24/05	LMP
Chloroethane	<10.0	µg/l	1.0	3.33	10		06/24/05	LMP
Chloroform	<2.00	µg/l	0.2	0.67	10		06/24/05	LMP
Chloromethane	<2.90	µg/l	0.29	0.97	10	CSL	06/24/05	LMP
2-Chlorotoluene	<6.00	µg/l	0.6	2.0	10		06/24/05	LMP
4-Chlorotoluene	<10.0	µg/l	1.0	3.33	10		06/24/05	LMP
Dibromochloropropane(DBCP)	<13.0	µg/l	1.3	4.33	10		06/24/05	LMP
1,2-Dibromoethane(EDB)	<11.0	µg/l	1.1	3.66	10		06/24/05	LMP
1,2-Dichlorobenzene	<6.00	µg/l	0.6	2.0	10		06/24/05	LMP
1,3-Dichlorobenzene	<5.00	µg/l	0.5	1.67	10		06/24/05	LMP
1,4-Dichlorobenzene	<6.00	µg/l	0.6	2.0	10		06/24/05	LMP
Dichlorodifluoromethane	<7.00	µg/l	0.7	2.33	10	CSL	06/24/05	LMP
1,1-Dichloroethane	<5.00	µg/l	0.5	1.67	10		06/24/05	LMP
1,2-Dichloroethane	<4.00	µg/l	0.4	1.33	10		06/24/05	LMP
1,1-Dichloroethyl(yl)ene	<5.00	µg/l	0.5	1.67	10		06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<4.00	µg/l	0.4	1.33	10		06/24/05	LMP
trans-1,2-Dichloroethylene	<3.90	µg/l	0.39	1.3	10		06/24/05	LMP
1,2-Dichloropropane	<4.00	µg/l	0.4	1.33	10		06/24/05	LMP
1,3-Dichloropropane	<9.00	µg/l	0.9	3.0	10		06/24/05	LMP
2,2-Dichloropropane	<15.0	µg/l	1.5	5.0	10	CSL	06/24/05	LMP
Ethylbenzene	83.2	µg/l	0.5	1.67	10		06/24/05	LMP
Hexachlorobutadiene	<10.0	µg/l	1.0	3.33	10	CSL	06/24/05	LMP
Isopropylbenzene	12.5	µg/l	0.31	1.03	10		06/24/05	LMP
Isopropyl Ether	<6.00	µg/l	0.6	2.0	10		06/24/05	LMP
p-Isopropyltoluene	<5.00	µg/l	0.5	1.67	10		06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<3.00	µg/l	0.3	1.0	10		06/24/05	LMP
Methylene Chloride	<3.00	µg/l	0.3	1.0	10		06/24/05	LMP
Naphthalene	31.7	µg/l	0.8	2.66	10		06/24/05	LMP
n-Propylbenzene	18.1	µg/l	0.3	1.0	10		06/24/05	LMP
Tetrachloroethyl(yl)ene	<4.50	µg/l	0.45	1.5	10		06/24/05	LMP
1,1,2,2-Tetrachloroethane	<6.10	µg/l	0.61	2.03	10		06/24/05	LMP
Toluene	285.	µg/l	0.3	1.0	10		06/24/05	LMP
1,2,3-Trichlorobenzene	<5.00	µg/l	0.5	1.67	10		06/24/05	LMP
1,2,4-Trichlorobenzene	<10.0	µg/l	1.0	3.33	10		06/24/05	LMP
1,1,1-Trichloroethane	<4.20	µg/l	0.42	1.4	10		06/24/05	LMP
1,1,2-Trichloroethane	<3.00	µg/l	0.3	1.0	10		06/24/05	LMP
Trichloroethyl(yl)ene	<5.00	µg/l	0.5	1.67	10		06/24/05	LMP
Trichlorofluoromethane	<10.0	µg/l	1.0	3.33	10		06/24/05	LMP
1,2,4-Trimethylbenzene	130.	µg/l	0.4	1.33	10		06/24/05	LMP
1,3,5-Trimethylbenzene	33.3	µg/l	0.31	1.03	10		06/24/05	LMP
Vinyl Chloride	<2.00	µg/l	0.2	0.67	10		06/24/05	LMP
m- & p-Xylene	333.	µg/l	0.62	2.06	10		06/24/05	LMP
o-Xylene	127.	µg/l	0.3	1.0	10		06/24/05	LMP
PID Surrogate Recovery (S)	102.	%	-	-	10		06/24/05	LMP
HALL Surrogate Recovery (S)	107.	%	-	-	10		06/24/05	LMP



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 179625.9
 DATE REC'D : 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MWS Matrix: GRDWTR Sample Date/Time: 06/21/05 11:40 Lab No. 179631

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	186.	µg/l	0.31	1.03	1		06/24/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		06/24/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
n-Butylbenzene	9.26	µg/l	0.36	1.2	1	CSL	06/24/05	LMP
sec-Butylbenzene	2.69	µg/l	0.4	1.33	1		06/24/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	CSL	06/24/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		06/24/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		06/24/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1		06/24/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	CSL	06/24/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		06/24/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		06/24/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	CSL	06/24/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,2-Dichloroethane	11.2	µg/l	0.4	1.33	1		06/24/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		06/24/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		06/24/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	06/24/05	LMP
Ethylbenzene	28.4	µg/l	0.5	1.67	1		06/24/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1	CSL	06/24/05	LMP
Isopropylbenzene	5.88	µg/l	0.31	1.03	1		06/24/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
p-Isopropyltoluene	0.807	µg/l	0.5	1.67	1	J	06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Naphthalene	24.1	µg/l	0.8	2.66	1		06/24/05	LMP
n-Propylbenzene	7.06	µg/l	0.3	1.0	1		06/24/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		06/24/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		06/24/05	LMP
Toluene	5.78	µg/l	0.3	1.0	1		06/24/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		06/24/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
1,2,4-Trimethylbenzene	35.7	µg/l	0.4	1.33	1		06/24/05	LMP
1,3,5-Trimethylbenzene	9.54	µg/l	0.31	1.03	1		06/24/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		06/24/05	LMP
m- & p-Xylene	51.1	µg/l	0.62	2.06	1		06/24/05	LMP
o-Xylene	22.1	µg/l	0.3	1.0	1		06/24/05	LMP
PID Surrogate Recovery (S)	107.	%	-	-	1		06/24/05	LMP
HALL Surrogate Recovery (S)	109.	%	-	-	1		06/24/05	LMP



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 179625.10
 DATE REC'D : 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MW6 Matrix: GRDWTR Sample Date/Time: 06/21/05 13:20 Lab No. 179632

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		06/24/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1	CSL	06/24/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	CSL	06/24/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		06/24/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		06/24/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1		06/24/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	CSL	06/24/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		06/24/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		06/24/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	CSL	06/24/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		06/24/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		06/24/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	06/24/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1	CSL	06/24/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		06/24/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		06/24/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		06/24/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		06/24/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		06/24/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		06/24/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
PID Surrogate Recovery (S)	92.5	%	-	-	1		06/24/05	LMP
HALL Surrogate Recovery (S)	103.	%	-	-	1		06/24/05	LMP



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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

PROJECT NO.: 82060
REPORT NO. : 179625.11
DATE REC'D : 06/22/05
REPORT DATE: 06/29/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	MW7	Matrix:	GRDWTR	Sample Date/Time:	06/21/05 13:45	Lab No.	179633		
		Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021									
Benzene	> 1.99	µg/l	0.31	1.03	1			06/24/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1			06/24/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1			06/24/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1		CSL	06/24/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1			06/24/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1		CSL	06/24/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1			06/24/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1			06/24/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1			06/24/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1			06/24/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1			06/24/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1		CSL	06/24/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1			06/24/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1			06/24/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1			06/24/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1			06/24/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1			06/24/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1			06/24/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1			06/24/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1		CSL	06/24/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1			06/24/05	LMP
1,2-Dichloroethane	0.659	µg/l	0.4	1.33	1	J		06/24/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1			06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1			06/24/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1			06/24/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1			06/24/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1			06/24/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1		CSL	06/24/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1			06/24/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		CSL	06/24/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1			06/24/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1			06/24/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1			06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1			06/24/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1			06/24/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1			06/24/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1			06/24/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1			06/24/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1			06/24/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1			06/24/05	LMP
1,2,2-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1			06/24/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1			06/24/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1			06/24/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1			06/24/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1			06/24/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1			06/24/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1			06/24/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1			06/24/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1			06/24/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1			06/24/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1			06/24/05	LMP
PID Surrogate Recovery (S)	97.0	%	-	-	1			06/24/05	LMP
HALL Surrogate Recovery (S)	102.	%	-	-	1			06/24/05	LMP



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 179625.12
 DATE REC'D : 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: PZ7 Matrix: GRDWTR Sample Date/Time: 06/21/05 14:15 Lab No. 179634

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		06/24/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1	CSL	06/24/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	CSL	06/24/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		06/24/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		06/24/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1		06/24/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	CSL	06/24/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		06/24/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		06/24/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	CSL	06/24/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		06/24/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		06/24/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	06/24/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1	CSL	06/24/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		06/24/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		06/24/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		06/24/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		06/24/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		06/24/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		06/24/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
PID Surrogate Recovery (S)	101.	%	-	-	1		06/24/05	LMP
HALL Surrogate Recovery (S)	105.	%	-	-	1		06/24/05	LMP



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 179625.13
 DATE REC'D : 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	MW8	Matrix:	GRDWTR	Sample Date/Time:	06/21/05 15:01	Lab No.	179635
				Dilution Factor		Date Analyzed	
	Result	Units	LOD	LOQ	Qualifiers		Analyst
EPA 8021							
Benzene	1,480.	µg/l	0.31	1.03	10	06/24/05	LMP
Bromobenzene	<4.10	µg/l	0.41	1.37	10	06/24/05	LMP
Bromodichloromethane	<3.00	µg/l	0.3	1.0	10	06/24/05	LMP
n-Butylbenzene	160.	µg/l	0.36	1.2	10	06/24/05	LMP
sec-Butylbenzene	<4.00	µg/l	0.4	1.33	10	06/24/05	LMP
tert-Butylbenzene	<4.00	µg/l	0.4	1.33	10	06/24/05	LMP
Carbon Tetrachloride	<3.00	µg/l	0.3	1.0	10	06/24/05	LMP
Chlorobenzene	<7.00	µg/l	0.7	2.33	10	06/24/05	LMP
Dibromo-chloromethane	<8.70	µg/l	0.87	2.9	10	06/24/05	LMP
Chloroethane	<10.0	µg/l	1.0	3.33	10	06/24/05	LMP
Chloroform	<2.00	µg/l	0.2	0.67	10	06/24/05	LMP
Chloromethane	<2.90	µg/l	0.29	0.97	10	06/24/05	LMP
2-Chlorotoluene	<6.00	µg/l	0.6	2.0	10	06/24/05	LMP
4-Chlorotoluene	<10.0	µg/l	1.0	3.33	10	06/24/05	LMP
Dibromo-chloropropane(DBCP)	<13.0	µg/l	1.3	4.33	10	06/24/05	LMP
1,2-Dibromoethane(EDB)	<11.0	µg/l	1.1	3.66	10	06/24/05	LMP
1,2-Dichlorobenzene	<6.00	µg/l	0.6	2.0	10	06/24/05	LMP
1,3-Dichlorobenzene	<5.00	µg/l	0.5	1.67	10	06/24/05	LMP
1,4-Dichlorobenzene	<6.00	µg/l	0.6	2.0	10	06/24/05	LMP
Dichlorodifluoromethane	<7.00	µg/l	0.7	2.33	10	06/24/05	LMP
1,1-Dichloroethane	<5.00	µg/l	0.5	1.67	10	06/24/05	LMP
1,2-Dichloroethane	28.5	µg/l	0.4	1.33	10	06/24/05	LMP
1,1-Dichloroethyl(yl)ene	<5.00	µg/l	0.5	1.67	10	06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<4.00	µg/l	0.4	1.33	10	06/24/05	LMP
trans-1,2-Dichloroethylene	<3.90	µg/l	0.39	1.3	10	06/24/05	LMP
1,2-Dichloropropane	<4.00	µg/l	0.4	1.33	10	06/24/05	LMP
1,3-Dichloropropane	<9.00	µg/l	0.9	3.0	10	06/24/05	LMP
2,2-Dichloropropane	<15.0	µg/l	1.5	5.0	10	06/24/05	LMP
Ethylbenzene	651.	µg/l	0.5	1.67	10	06/24/05	LMP
Hexachlorobutadiene	<10.0	µg/l	1.0	3.33	10	06/24/05	LMP
Isopropylbenzene	73.9	µg/l	0.31	1.03	10	06/24/05	LMP
Isopropyl Ether	<6.00	µg/l	0.6	2.0	10	06/24/05	LMP
p-Isopropyltoluene	16.4	µg/l	0.5	1.67	10	06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<3.00	µg/l	0.3	1.0	10	06/24/05	LMP
Methylene Chloride	<3.00	µg/l	0.3	1.0	10	06/24/05	LMP
Naphthalene	319.	µg/l	0.8	2.66	10	06/24/05	LMP
n-Propylbenzene	108.	µg/l	0.3	1.0	10	06/24/05	LMP
Tetrachloroethyl(yl)ene	<4.50	µg/l	0.45	1.5	10	06/24/05	LMP
1,1,2,2-Tetrachloroethane	<6.10	µg/l	0.61	2.03	10	06/24/05	LMP
Toluene	526.	µg/l	0.3	1.0	10	06/24/05	LMP
1,2,3-Trichlorobenzene	<5.00	µg/l	0.5	1.67	10	06/24/05	LMP
1,2,4-Trichlorobenzene	<10.0	µg/l	1.0	3.33	10	06/24/05	LMP
1,1,1-Trichloroethane	<4.20	µg/l	0.42	1.4	10	06/24/05	LMP
1,1,2-Trichloroethane	<3.00	µg/l	0.3	1.0	10	06/24/05	LMP
Trichloroethyl(yl)ene	<5.00	µg/l	0.5	1.67	10	06/24/05	LMP
Trichlorofluoromethane	<10.0	µg/l	1.0	3.33	10	06/24/05	LMP
1,2,4-Trimethylbenzene	852.	µg/l	0.4	1.33	50	06/27/05	LMP
1,3,5-Trimethylbenzene	247.	µg/l	0.31	1.03	10	06/24/05	LMP
Vinyl Chloride	<2.00	µg/l	0.2	0.67	10	06/24/05	LMP
m- & p-Xylene	987.	µg/l	0.62	2.06	50	06/27/05	LMP
o-Xylene	210.	µg/l	0.3	1.0	10	06/24/05	LMP
PID Surrogate Recovery (S)	102.	%	-	-	10	06/24/05	LMP
HALL Surrogate Recovery (S)	97.3	%	-	-	10	06/24/05	LMP



A Siemens Business

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 179625.14
 DATE REC'D : 06/22/05
 REPORT DATE: 06/29/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: MW9 Matrix: GRDWTR Sample Date/Time: 06/21/05 14:40 Lab No. 179636

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		06/24/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1	CSL	06/24/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	CSL	06/24/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		06/24/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		06/24/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1		06/24/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	CSL	06/24/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		06/24/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		06/24/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	CSL	06/24/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		06/24/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		06/24/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	06/24/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1	CSL	06/24/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		06/24/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		06/24/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		06/24/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		06/24/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		06/24/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		06/24/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		06/24/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		06/24/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		06/24/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		06/24/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		06/24/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		06/24/05	LMP
PID Surrogate Recovery (S)	100.	%	-	-	1		06/24/05	LMP
HALL Surrogate Recovery (S)	103.	%	-	-	1		06/24/05	LMP



A Siemens Business

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

Attn: Dave Senfelds

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO.: 179625.15
DATE REC'D: 06/22/05
REPORT DATE: 06/29/05
PREPARED BY: JRS

Qualifier Descriptions

- | | |
|-----|---|
| CSH | Check standard for this analyte exhibited a high bias.
Sample results may also be biased high. |
| CSL | Check standard for this analyte exhibited a low bias.
Sample results may also be biased low. |
| J | Estimated concentration below laboratory quantitation level. |
| S1H | Sample matrix spike recovery was high. Sample result may be biased high. |
| S2H | Sample matrix spike duplicate recovery was high.
Sample result may be biased high. |

REQUEST FOR SERVICES

USFilter

ENVIROSCAN SERVICES

301 W. MILITARY RD.

ROTHSCHILD, WI 54474

1-800-338-SCAN

REPORT TO:

Name: Dave SefeldsCompany: EarthTechAddress: 200 Indiana AveStevens Point, WI 54481Phone: (715) 342-3039

P.O.#

Project # 82060 Quote # 73847489Location Chill

BILL TO: (if different from Report To info)

Name: Company: SameAddress: Phone: Sample Type
(Check all that apply)

- Groundwater
 Wastewater
 Soil/Solid
 Drinking Water
 Oil
 Vapor
 Other

Turnaround Time

- Normal
 Rush (Pre-approved by Lab)

Date Needed Approved By

ANALYTICAL REQUESTS

(use separate sheet if necessary)

<i>L6021</i>	<i>VOC (method 8021)</i>	<i>L6021</i>	<i>L6021</i>	<i>L6021</i>	<i>L6021</i>	<i>L6021</i>
--------------	--------------------------	--------------	--------------	--------------	--------------	--------------

LAB USE ONLY	DATE	TIME	No. of Containers		SAMPLE ID	REMARKS
			COMP	GRAB		
15179625	6-21-05	700	2		trip blank	X 6-14-05 TB098B5144401VB
15179626		1000	2		MW-1	X
15179627		1030	2		MW-2	X
15179628		1055	2		MW-3	X
15179629		1120	2		MW-4	X
15179630		1120	2		MW-4 Dp.	X
15179631		1140	2		MW-5	X
15179632		1320	2		MW-6	X
15179633		1345	2		MW-7	X
15179634		1415	2		PZ-7	X

CHAIN OF CUSTODY RECORD

SAMPLERS: (Signature)	<i>S. H. J.</i>
-----------------------	-----------------

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
<i>S. H. J.</i>	6-22-05 1145	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
<i>S. H. J.</i>		

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature)	DATE/TIME
<i>Jeanne Anderson</i>			6-22-05 1145

Delv. OK?	Handl. OK?	Comm. N/A
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ship. Cont. OK?	<input checked="" type="checkbox"/>	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Samples leaking?	<input checked="" type="checkbox"/>	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Seals OK?	<input checked="" type="checkbox"/>	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rec'd on ice?	<input checked="" type="checkbox"/>	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Comments:



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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

RECEIVED

AUG 9 2005

EARTH TECH

August 8, 2005

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, Wi 54481

Attn: Dave Senfelds

REPORT NO.: 182046

PROJECT NO.: 82060

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received July 22, 2005.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

Cindy K Varga
Cindy K. Varga
Quality Assurance Manager

Crw: 7/05

ALL MWs

** BACKCHECKED 8/29/05
PSE*

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by:

Bru Sj

Certifications:

Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317



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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Sample Summary

182046.2

<u>Lab Id</u>	<u>Client Sample ID</u>	<u>Date/Time</u>	<u>Matrix</u>
182046	TRIP BLANK-USF	07/21/05	WATER
182047	MW6	07/21/05 12:00	GROUNDWATER
182048	MW3	07/21/05 12:30	GROUNDWATER
182049	MW1	07/21/05 13:00	GROUNDWATER
182050	MW2	07/21/05 13:35	GROUNDWATER
182051	MW9	07/21/05 14:10	GROUNDWATER
182052	PZ7	07/21/05 14:55	GROUNDWATER
182053	MW7	07/21/05 15:15	GROUNDWATER
182054	MW8	07/21/05 15:55	GROUNDWATER
182055	MW5	07/21/05 16:20	GROUNDWATER

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection (Not dilution corrected)

LOQ = Limit of Quantitation (Not dilution corrected)

< = Less Than

COMP = Complete

SUBCON = Subcontracted analysis

mv = millivolts

pCi/l = picocurie per liter

ml/l = mililiters/Liter

mg = milligrams

$\mu\text{g/l}$ = Micrograms per liter = parts per billion (ppb)

$\mu\text{g/kg}$ = Micrograms per kilogram = parts per billion (ppb)

mg/l = Milligrams per liter = parts per million (ppm)

mg/kg = Milligrams per kilogram = parts per million (ppm)

NOT PRES = Not Present

ppth = Parts per thousand

(S) = Surrogate Compound

mg/m^3 = Milligrams/meter cube

ng/l = Nanograms per liter



A Siemens Business

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO.: 182046.3
 DATE REC'D: 07/22/05
 REPORT DATE: 08/08/05
 PREPARED BY: CKV

Attn: Dave Senfelds

Sample ID: TRIP BLANK-USF Matrix: WATER Sample Date/Time: 07/21/05 Lab No. 182046

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.31	µg/l	0.31	1.03	1		07/28/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		07/28/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1		07/28/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		07/28/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		07/28/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1		07/28/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1		07/28/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		07/28/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		07/28/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
1,4-Dichlorobenzene	0.789	µg/l	0.6	2.0	1	J	07/28/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1		07/28/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		07/28/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		07/28/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	07/28/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		07/28/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		07/28/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		07/28/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		07/28/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		07/28/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		07/28/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
PID Surrogate Recovery (S)	105.	%	-	-	1		07/28/05	LMP
HALL Surrogate Recovery (S)	79.4	%	-	-	1		07/28/05	LMP



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO. : 182046.4
DATE REC'D : 07/22/05
REPORT DATE: 08/08/05
PREPARED BY: CKV

Attn: Dave Senfelds

Sample ID: MW6 Matrix: GRDWTR Sample Date/Time: 07/21/05 12:00 Lab No. 182047

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.31	µg/l	0.31	1.03	1		07/28/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		07/28/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1		07/28/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		07/28/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		07/28/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1		07/28/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1		07/28/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		07/28/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		07/28/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1		07/28/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		07/28/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		07/28/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	07/28/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		07/28/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		07/28/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		07/28/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		07/28/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		07/28/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		07/28/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
PID Surrogate Recovery (S)	101.	%	-	-	1		07/28/05	LMP
HALL Surrogate Recovery (S)	75.2	%	-	-	1		07/28/05	LMP



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 182046.5
 DATE REC'D : 07/22/05
 REPORT DATE: 08/08/05
 PREPARED BY: CKV

Attn: Dave Senfelds

Sample ID:	Matrix:	Sample Date/Time:	Lab No.				
Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021							
Benzene	<0.31	µg/l	0.31	1.03	1	07/28/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1	07/28/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1	07/28/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1	07/28/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1	07/28/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1	07/28/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	07/28/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1	07/28/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1	07/28/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	07/28/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1	07/28/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1	07/28/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	07/28/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1	07/28/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1	07/28/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1	07/28/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1	07/28/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1	07/28/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1	07/28/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1	07/28/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1	07/28/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
PID Surrogate Recovery (S)	104.	%	-	-	1	07/28/05	LMP
HALL Surrogate Recovery (S)	70.4	%	-	-	1	07/28/05	LMP



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO.: 182046.6
 DATE REC'D : 07/22/05
 REPORT DATE: 08/08/05
 PREPARED BY: CKV

Attn: Dave Senfelds

Sample ID: MW1 Matrix: GRDWTR Sample Date/Time: 07/21/05 13:00 Lab No. 182049

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	2.14	µg/l	0.31	1.03	1		07/28/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		07/28/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1		07/28/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		07/28/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		07/28/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1		07/28/05	LMP
Chloromethane	0.97	µg/l	0.29	0.97	1	J	07/28/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		07/28/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		07/28/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1		07/28/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
trans-1,2-Dichloroethyl(yl)ene	<0.39	µg/l	0.39	1.3	1		07/28/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		07/28/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	07/28/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		07/28/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		07/28/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		07/28/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		07/28/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		07/28/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/28/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		07/28/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		07/28/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		07/28/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		07/28/05	LMP
PID Surrogate Recovery (S)	100.	%	-	-	1		07/28/05	LMP
HALL Surrogate Recovery (S)	68.4	%	-	-	1		07/28/05	LMP



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: 82060
REPORT NO. : 182046.7
DATE REC'D : 07/22/05
REPORT DATE: 08/08/05
PREPARED BY: CKV

Attn: Dave Senfelds

Sample ID:	MW2	Matrix:	GRDWTR	Sample Date/Time:	07/21/05 13:35	Lab No.	182050
				Dilution Factor		Date Analyzed	
	Result	Units	LOD	LOQ	Qualifiers		Analyst
EPA 8021							
Benzene	<0.31	µg/l	0.31	1.03	1	07/28/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1	07/28/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1	07/28/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1	07/28/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1	07/28/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1	07/28/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	07/28/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1	07/28/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1	07/28/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	07/28/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1	07/28/05	LMP
1,2-Dichloroproppane	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
1,3-Dichloroproppane	<0.9	µg/l	0.9	3.0	1	07/28/05	LMP
2,2-Dichloroproppane	<1.50	µg/l	1.5	5.0	1	CSL	07/28/05 LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		07/28/05 LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05 LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		07/28/05 LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		07/28/05 LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		07/28/05 LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		07/28/05 LMP
Toluene	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		07/28/05 LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		07/28/05 LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
Trichlorodifluoromethane	<1.00	µg/l	1.0	3.33	1		07/28/05 LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05 LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05 LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		07/28/05 LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		07/28/05 LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
%ID Surrogate Recovery (S)	104.	%	-	-	1		07/28/05 LMP
HALL Surrogate Recovery (S)	68.0	%	-	-	1		07/28/05 LMP



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
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TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 182046.8
 DATE REC'D : 07/22/05
 REPORT DATE: 08/08/05
 PREPARED BY: CKV

Attn: Dave Senfelds

Sample ID:	MW9	Matrix:	GRDWTR	Sample Date/Time:	07/21/05 14:10	Lab No.	182051
				Dilution Factor		Date Analyzed	
	Result	Units	LOD	LOQ	Qualifiers		Analyst
EPA 8021							
Benzene	<0.31	µg/l	0.31	1.03	1	07/28/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1	07/28/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1	07/28/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1	07/28/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1	07/28/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1	07/28/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	07/28/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1	07/28/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1	07/28/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	07/28/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1	07/28/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1	07/28/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	07/28/05 LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		07/28/05 LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05 LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		07/28/05 LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		07/28/05 LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		07/28/05 LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		07/28/05 LMP
Toluene	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		07/28/05 LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		07/28/05 LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		07/28/05 LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05 LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05 LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		07/28/05 LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		07/28/05 LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
PID Surrogate Recovery (S)	102.	%	-	-	1		07/28/05 LMP
HALL Surrogate Recovery (S)	65.8	%	-	-	1		07/28/05 LMP



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
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 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 182046.9
 DATE REC'D : 07/22/05
 REPORT DATE: 08/08/05
 PREPARED BY: CKV

Attn: Dave Senfelds

Sample ID:	PZ7	Matrix:	GRDWTR	Sample Date/Time:	07/21/05 14:55	Lab No.	182052
				Dilution Factor		Date Analyzed	Analyst
	Result	Units	LOD	LOQ			
EPA 8021							
Benzene	<0.31	µg/l	0.31	1.03	1	07/28/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1	07/28/05	LMP
3-Bromodichloromethane	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
1-Butylbenzene	<0.36	µg/l	0.36	1.2	1	07/28/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1	07/28/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1	07/28/05	LMP
1,1-Dibromochloromethane	<0.87	µg/l	0.87	2.9	1	07/28/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1	07/28/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	07/28/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1	07/28/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1	07/28/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1	07/28/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	07/28/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	07/28/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
1,2-Dichloroethane	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	07/28/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1	07/28/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1	07/28/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1	07/28/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	CSL	07/28/05 LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
Exachlorobutadiene	<1.00	µg/l	1.0	3.33	1		07/28/05 LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05 LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		07/28/05 LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
ethylene Chloride	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Phthalene	<0.8	µg/l	0.8	2.66	1		07/28/05 LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		07/28/05 LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		07/28/05 LMP
Toluene	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		07/28/05 LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		07/28/05 LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/28/05 LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		07/28/05 LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		07/28/05 LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		07/28/05 LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		07/28/05 LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		07/28/05 LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		07/28/05 LMP
2-ID Surrogate Recovery (S)	104.	%	-	-	1		07/28/05 LMP
IALL Surrogate Recovery (S)	65.2	%	-	-	1		07/28/05 LMP



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200 Indiana Ave
Stevens Point, Wi 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
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TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 182046.10
 DATE REC'D : 07/22/05
 REPORT DATE: 08/08/05
 PREPARED BY: CKV

Attn: Dave Senfelds

Sample ID: MW7 Matrix: GRDWTR Sample Date/Time: 07/21/05 15:15 Lab No. 182053

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	1.51	µg/l	0.31	1.03	1		07/29/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1		07/29/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1		07/29/05	LMP
n-Butylbenzene	<0.36	µg/l	0.36	1.2	1		07/29/05	LMP
sec-Butylbenzene	<0.4	µg/l	0.4	1.33	1		07/29/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1		07/29/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1		07/29/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1		07/29/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1		07/29/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1		07/29/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1		07/29/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1		07/29/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1		07/29/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1		07/29/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1		07/29/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1		07/29/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		07/29/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/29/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1		07/29/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1		07/29/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1		07/29/05	LMP
1,2-Dichloroethane	0.98	µg/l	0.4	1.33	1	J	07/29/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/29/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1		07/29/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1		07/29/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1		07/29/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1		07/29/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1		07/29/05	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		07/29/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		07/29/05	LMP
Isopropylbenzene	<0.31	µg/l	0.31	1.03	1		07/29/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1		07/29/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1		07/29/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1		07/29/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1		07/29/05	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		07/29/05	LMP
n-Propylbenzene	<0.3	µg/l	0.3	1.0	1		07/29/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1		07/29/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1		07/29/05	LMP
Toluene	<0.3	µg/l	0.3	1.0	1		07/29/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		07/29/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1		07/29/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1		07/29/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1		07/29/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1		07/29/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1		07/29/05	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		07/29/05	LMP
1,3,5-Trimethylbenzene	<0.31	µg/l	0.31	1.03	1		07/29/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1		07/29/05	LMP
m- & p-Xylene	<0.62	µg/l	0.62	2.06	1		07/29/05	LMP
o-Xylene	<0.3	µg/l	0.3	1.0	1		07/29/05	LMP
PID Surrogate Recovery (S)	107.	%	-	-	1		07/29/05	LMP
HALL Surrogate Recovery (S)	66.3	%	-	-	1		07/29/05	LMP



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 182046.11
 DATE REC'D : 07/22/05
 REPORT DATE: 08/08/05
 PREPARED BY: CKV

Attn: Dave Senfelds

Sample ID: MW8 Matrix: GRDWTR Sample Date/Time: 07/21/05 15:55 Lab No. 182054

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021								
Benzene	1,310.	µg/l	0.31	1.03	50		08/03/05	LMP
Bromobenzene	<20.5	µg/l	0.41	1.37	50		08/03/05	LMP
Bromodichloromethane	<15.0	µg/l	0.3	1.0	50		08/03/05	LMP
n-Butylbenzene	112.	µg/l	0.36	1.2	50		08/03/05	LMP
sec-Butylbenzene	<20.0	µg/l	0.4	1.33	50		08/03/05	LMP
tert-Butylbenzene	<20.0	µg/l	0.4	1.33	50		08/03/05	LMP
Carbon Tetrachloride	<15.0	µg/l	0.3	1.0	50		08/03/05	LMP
Chlorobenzene	<35.0	µg/l	0.7	2.33	50		08/03/05	LMP
Dibromochloromethane	<43.5	µg/l	0.87	2.9	50		08/03/05	LMP
Chloroethane	<50.0	µg/l	1.0	3.33	50		08/03/05	LMP
Chloroform	<10.0	µg/l	0.2	0.67	50		08/03/05	LMP
Chloromethane	<14.5	µg/l	0.29	0.97	50	CSH	08/03/05	LMP
2-Chlorotoluene	<30.0	µg/l	0.6	2.0	50		08/03/05	LMP
4-Chlorotoluene	<50.0	µg/l	1.0	3.33	50		08/03/05	LMP
Dibromochloropropane(DBCP)	<65.0	µg/l	1.3	4.33	50		08/03/05	LMP
1,2-Dibromoethane(EDB)	<55.0	µg/l	1.1	3.66	50		08/03/05	LMP
1,2-Dichlorobenzene	<30.0	µg/l	0.6	2.0	50		08/03/05	LMP
1,3-Dichlorobenzene	<25.0	µg/l	0.5	1.67	50		08/03/05	LMP
1,4-Dichlorobenzene	<30.0	µg/l	0.6	2.0	50		08/03/05	LMP
Dichlorodifluoromethane	<35.0	µg/l	0.7	2.33	50		08/03/05	LMP
1,1-Dichloroethane	<25.0	µg/l	0.5	1.67	50		08/03/05	LMP
1,2-Dichloroethane	<20.0	µg/l	0.4	1.33	50	CSH	08/03/05	LMP
1,1-Dichloroethyl(y)ene	<25.0	µg/l	0.5	1.67	50		08/03/05	LMP
cis-1,2-Dichloroethyl(y)ene	<20.0	µg/l	0.4	1.33	50		08/03/05	LMP
trans-1,2-Dichloroethylene	<19.5	µg/l	0.39	1.3	50		08/03/05	LMP
1,2-Dichloropropane	<20.0	µg/l	0.4	1.33	50		08/03/05	LMP
1,3-Dichloropropane	<45.0	µg/l	0.9	3.0	50	CSH	08/03/05	LMP
2,2-Dichloropropane	<75.0	µg/l	1.5	5.0	50		08/03/05	LMP
Ethylbenzene	501.	µg/l	0.5	1.67	50		08/03/05	LMP
Hexachlorobutadiene	<50.0	µg/l	1.0	3.33	50		08/03/05	LMP
Isopropylbenzene	57.7	µg/l	0.31	1.03	50		08/03/05	LMP
Isopropyl Ether	<30.0	µg/l	0.6	2.0	50		08/03/05	LMP
p-Isopropyltoluene	<25.0	µg/l	0.5	1.67	50		08/03/05	LMP
Methyl t-Butyl Ether(MTBE)	<15.0	µg/l	0.3	1.0	50		08/03/05	LMP
Methylene Chloride	<15.0	µg/l	0.3	1.0	50		08/03/05	LMP
Naphthalene	266.	µg/l	0.8	2.66	50		08/03/05	LMP
n-Propylbenzene	83.1	µg/l	0.3	1.0	50		08/03/05	LMP
Tetrachloroethyl(y)ene	<22.5	µg/l	0.45	1.5	50		08/03/05	LMP
1,1,2,2-Tetrachloroethane	<30.5	µg/l	0.61	2.03	50		08/03/05	LMP
Toluene	520.	µg/l	0.3	1.0	50		08/03/05	LMP
1,2,3-Trichlorobenzene	<25.0	µg/l	0.5	1.67	50		08/03/05	LMP
1,2,4-Trichlorobenzene	<50.0	µg/l	1.0	3.33	50		08/03/05	LMP
1,1,1-Trichloroethane	<21.0	µg/l	0.42	1.4	50		08/03/05	LMP
1,1,2-Trichloroethane	<15.0	µg/l	0.3	1.0	50		08/03/05	LMP
Trichloroethyl(y)ene	<25.0	µg/l	0.5	1.67	50		08/03/05	LMP
Trichlorofluoromethane	<50.0	µg/l	1.0	3.33	50		08/03/05	LMP
1,2,4-Trimethylbenzene	797.	µg/l	0.4	1.33	50		08/03/05	LMP
1,3,5-Trimethylbenzene	181.	µg/l	0.31	1.03	50		08/03/05	LMP
Vinyl Chloride	<10.0	µg/l	0.2	0.67	50		08/03/05	LMP
m- & p-Xylene	966.	µg/l	0.62	2.06	50		08/03/05	LMP
o-Xylene	183.	µg/l	0.3	1.0	50		08/03/05	LMP
PID Surrogate Recovery (S)	102.	%	-	-	50		08/03/05	LMP
HALL Surrogate Recovery (S)	117.	%	-	-	50		08/03/05	LMP



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Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: 82060
 REPORT NO. : 182046.12
 DATE REC'D : 07/22/05
 REPORT DATE: 08/08/05
 PREPARED BY: CKV

Attn: Dave Senfelds

Sample ID:	MWS	Matrix:	GRDWTR	Sample Date/Time:	07/21/05 16:20	Lab No.	182055
				Dilution Factor		Date Analyzed	Analyst
	Result	Units	LOD	LOQ			
EPA 8021							
Benzene	202.	µg/l	0.31	1.03	5	07/29/05	LMP
Bromobenzene	<0.41	µg/l	0.41	1.37	1	07/29/05	LMP
Bromodichloromethane	<0.3	µg/l	0.3	1.0	1	07/29/05	LMP
n-Butylbenzene	12.2	µg/l	0.36	1.2	1	07/29/05	LMP
sec-Butylbenzene	3.87	µg/l	0.4	1.33	1	07/29/05	LMP
tert-Butylbenzene	<0.4	µg/l	0.4	1.33	1	07/29/05	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	1.0	1	07/29/05	LMP
Chlorobenzene	<0.7	µg/l	0.7	2.33	1	07/29/05	LMP
Dibromochloromethane	<0.87	µg/l	0.87	2.9	1	07/29/05	LMP
Chloroethane	<1.00	µg/l	1.0	3.33	1	07/29/05	LMP
Chloroform	<0.2	µg/l	0.2	0.67	1	07/29/05	LMP
Chloromethane	<0.29	µg/l	0.29	0.97	1	07/29/05	LMP
2-Chlorotoluene	<0.6	µg/l	0.6	2.0	1	07/29/05	LMP
4-Chlorotoluene	<1.00	µg/l	1.0	3.33	1	07/29/05	LMP
Dibromochloropropane(DBCP)	<1.30	µg/l	1.3	4.33	1	07/29/05	LMP
1,2-Dibromoethane(EDB)	<1.10	µg/l	1.1	3.66	1	07/29/05	LMP
1,2-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	07/29/05	LMP
1,3-Dichlorobenzene	<0.5	µg/l	0.5	1.67	1	07/29/05	LMP
1,4-Dichlorobenzene	<0.6	µg/l	0.6	2.0	1	07/29/05	LMP
Dichlorodifluoromethane	<0.7	µg/l	0.7	2.33	1	07/29/05	LMP
1,1-Dichloroethane	<0.5	µg/l	0.5	1.67	1	07/29/05	LMP
1,2-Dichloroethane	11.6	µg/l	0.4	1.33	1	07/29/05	LMP
1,1-Dichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	07/29/05	LMP
cis-1,2-Dichloroethyl(yl)ene	<0.4	µg/l	0.4	1.33	1	07/29/05	LMP
trans-1,2-Dichloroethylene	<0.39	µg/l	0.39	1.3	1	07/29/05	LMP
1,2-Dichloropropane	<0.4	µg/l	0.4	1.33	1	07/29/05	LMP
1,3-Dichloropropane	<0.9	µg/l	0.9	3.0	1	07/29/05	LMP
2,2-Dichloropropane	<1.50	µg/l	1.5	5.0	1	07/29/05	LMP
Ethylbenzene	34.6	µg/l	0.5	1.67	1	07/29/05	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1	07/29/05	LMP
Isopropylbenzene	8.01	µg/l	0.31	1.03	1	07/29/05	LMP
Isopropyl Ether	<0.6	µg/l	0.6	2.0	1	07/29/05	LMP
p-Isopropyltoluene	<0.5	µg/l	0.5	1.67	1	07/29/05	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	1.0	1	07/29/05	LMP
Methylene Chloride	<0.3	µg/l	0.3	1.0	1	07/29/05	LMP
Naphthalene	26.2	µg/l	0.8	2.66	1	07/29/05	LMP
n-Propylbenzene	9.91	µg/l	0.3	1.0	1	07/29/05	LMP
Tetrachloroethyl(yl)ene	<0.45	µg/l	0.45	1.5	1	07/29/05	LMP
1,1,2,2-Tetrachloroethane	<0.61	µg/l	0.61	2.03	1	07/29/05	LMP
Toluene	8.59	µg/l	0.3	1.0	1	07/29/05	LMP
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1	07/29/05	LMP
1,2,4-Trichlorobenzene	<1.00	µg/l	1.0	3.33	1	07/29/05	LMP
1,1,1-Trichloroethane	<0.42	µg/l	0.42	1.4	1	07/29/05	LMP
1,1,2-Trichloroethane	<0.3	µg/l	0.3	1.0	1	07/29/05	LMP
Trichloroethyl(yl)ene	<0.5	µg/l	0.5	1.67	1	07/29/05	LMP
Trichlorofluoromethane	<1.00	µg/l	1.0	3.33	1	07/29/05	LMP
1,2,4-Trimethylbenzene	48.2	µg/l	0.4	1.33	1	07/29/05	LMP
1,3,5-Trimethylbenzene	13.4	µg/l	0.31	1.03	1	07/29/05	LMP
Vinyl Chloride	<0.2	µg/l	0.2	0.67	1	07/29/05	LMP
m- & p-Xylene	67.9	µg/l	0.62	2.06	1	07/29/05	LMP
o-Xylene	30.9	µg/l	0.3	1.0	1	07/29/05	LMP
PID Surrogate Recovery (S)	110.	%	-	-	1	07/29/05	LMP
HALL Surrogate Recovery (S)	105.	%	-	-	1	07/29/05	LMP



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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

PROJECT NO.: 82060
REPORT NO. : 182046.13
DATE REC'D : 07/22/05
REPORT DATE: 08/08/05
PREPARED BY: CKV

Attn: Dave Senfelds

Qualifier Descriptions

- J Estimated concentration below laboratory quantitation level.
- CSL Check standard for this analyte exhibited a low bias.
Sample results may also be biased low.
- CSH Check standard for this analyte exhibited a high bias.
Sample results may also be biased high.

REQUEST FOR SERVICES

USFilter

ENVIROSCAN SERVICES

301 W. MILITARY RD.

ROTHSCHILD, WI 54474

1-800-338-SCAN

REPORT TO:

Name: DAVE SENFELDS
 Company: EARTH TECH INC
 Address: 200 INDIANA AVE.
STEVENS POINT, WI 54481
 Phone: (715) 342-3039
 P.O.# _____
 Project # 82060 Quote # 7384 7489
 Location DNR-C4H4I

BILL TO: (if different from Report To info)

Name: _____
 Company: _____
 Address: _____
 Phone: (_____) _____

E30783

ANALYTICAL REQUESTS

(use separate sheet if necessary)

Sample Type
 (Check all that apply)
 Groundwater
 Wastewater
 Soil/Solid
 Drinking Water
 Oil
 Vapor
 Other

Turnaround Time
 Normal
 Rush (Pre-approved by Lab)
 Date Needed _____
 Approved By _____



LAB USE ONLY	DATE	TIME	No. of Containers	SAMPLE ID	REMARKS
			COMP		
16182046	7/21/05	11:00	1	TRIP BLANK	X TB098 6-14-05
16182047		12:00	2	MW-6	X
16182048		12:30	2	MW-3	X
16182049		13:00	2	MW-7	X
16182050		13:35	2	MW-2	X
16182051		14:10	2	MW-9	X
16182052		14:55	2	PZ-7	X
16182053		15:15	2	MW-7	X
16182054		15:55	2	MW-8	X
16182055		16:20	2	MW-5	X STRONG ODO

Delv.: Hand	Comp.
Ship. Cont. OK	N/A
Samples leaking?	N/A
Seals OK?	N/A
Rec'd on ice?	N/A

Comments: _____

CHAIN OF CUSTODY RECORD

SAMPLERS: (Signature)

Phil Cogan

RELINQUISHED BY: (Signature)

Phil Cogan

DATE/TIME

7/22/05 13:05

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED FOR LABORATORY
BY: (Signature)

DATE/TIME

7-22-05 13:05



ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

BACKCHECKED

8/29/05

June 30, 2005

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, Wi 54481

Attn: Dave Senfelds

REPORT NO.: 179476

PROJECT NO.: DHR CHILI

6/05 PJE
POTABLE WELLS

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received June 17, 2005.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

James R. Salkowski
Laboratory Director

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by:

Certifications:

Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317



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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Sample Summary

179476.2

Lab Id	Client Sample ID	Date/Time	Matrix
179476	KRUEGER	06/15/05 12:00	GROUNDWATER
179477	STREY	06/15/05 12:55	GROUNDWATER
179478	FISCHER	06/15/05 13:05	GROUNDWATER
179479	TRIP BLANK-USF	06/15/05	WATER

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection (Not dilution corrected)

µg/l = Micrograms per liter = parts per billion (ppb)

LOQ = Limit of Quantitation (Not dilution corrected)

µg/kg = Micrograms per kilogram = parts per billion (ppb)

< = Less Than

mg/l = Milligrams per liter = parts per million (ppm)

COMP = Complete

mg/kg = Milligrams per kilogram = parts per million (ppm)

SUBCON = Subcontracted analysis

NOT PRES = Not Present

mV = millivolts

ppth = Parts per thousand

pCi/l = picocurie per liter

(S) = Surrogate Compound

ml/l = mililiters/Liter

mg/m³ = Milligrams/meter cube

mg = milligrams

ng/l = Nanograms per liter



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Earth Tech, Inc. (Stevens Point WI)
700 Indiana Ave
Stevens Point, WI 54481

**ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474**

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: DHR CHILI
REPORT NO. : 179476.3
DATE REC'D : 06/17/05
REPORT DATE: 06/30/05
PREPARED BY: JRS

Attn: Dave Senfelds

sample ID: KRUEGER

PA 8260							
Benzene	41.8	µg/l	0.15	0.50	1		06/28/05 MPM
Promobenzene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
romochloromethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
romodichloromethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Bromoform	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
Bromomethane	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
-Butylbenzene	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
ec-Butylbenzene	0.322	µg/l	0.15	0.50	1	J	06/28/05 MPM
ert-Butylbenzene	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
Carbon Tetrachloride	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
Chlorobenzene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
hloroethane	<0.6	µg/l	0.6	2.0	1	CSH	06/28/05 MPM
hloroform	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Chloromethane	1.05	µg/l	0.2	0.67	1		06/28/05 MPM
2-Chlorotoluene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
-Chlorotoluene	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
bromochloromethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
bromochloropropane(DBCP)	<0.3	µg/l	0.3	1.0	1		06/28/05 MPM
1,2-Dibromoethane(EDB)	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
bromomethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
,2-Dichlorobenzene	<0.75	µg/l	0.75	2.5	1		06/28/05 MPM
,3-Dichlorobenzene	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
1,4-Dichlorobenzene	<0.75	µg/l	0.75	2.5	1		06/28/05 MPM
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.83	1		06/28/05 MPM
,1-Dichloroethane	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
,2-Dichloroethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
,,1-Dichloroethyl(yl)ene	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
cis-1,2-Dichloroethyl(yl)ene	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
trans-1,2-Dichloroethylene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
,2-Dichloropropane	0.13	µg/l	0.1	0.33	1	J	06/28/05 MPM
,3-Dichloropropane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
2,2-Dichloropropane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1,1-Dichloropropene	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
is-1,3-Dichloropropene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
trans-1,3-Dichloropropene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Ethylbenzene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		06/28/05 MPM
Isopropylbenzene	0.27	µg/l	0.1	0.33	1	J	06/28/05 MPM
-Isopropyltoluene	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
Iethylene Chloride	<0.4	µg/l	0.4	1.33	1		06/28/05 MPM
Methyl t-Butyl Ether(MTBE)	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Naphthalene	1.01	µg/l	1.0	3.33	1	J CSL	06/28/05 MPM
i-Propylbenzene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Tyrene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
,1,1,2-Tetrachloroethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1,1,2,2-Tetrachloroethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Tetrachloroethyl(yl)ene	0.274	µg/l	0.1	0.33	1	J	06/28/05 MPM
oluene	<0.4	µg/l	0.4	1.33	1		06/28/05 MPM
,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/28/05 MPM
,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/28/05 MPM
,1,1-Trichloroethane	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
1,2-Trichloroethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM



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200 Indiana Ave
Stevens Point, WI 54481

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FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: DHR CHILI
REPORT NO. : 179476.4
DATE REC'D : 06/17/05
REPORT DATE: 06/30/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: KRUEGER Matrix: GRDWTR Sample Date/Time: 06/15/05 12:00 Lab No. 179476

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8260								
Trichloroeth(yl)ene	<0.2	µg/l	0.2	0.67	1		06/28/05	MPM
Trichlorofluoromethane	<0.2	µg/l	0.2	0.67	1		06/28/05	MPM
1,2,3-Trichloropropane	<0.55	µg/l	0.55	1.83	1		06/28/05	MPM
1,2,4-Trimethylbenzene	0.512	µg/l	0.15	0.50	1	J	06/28/05	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.50	1		06/28/05	MPM
Vinyl Chloride	<0.15	µg/l	0.15	0.50	1		06/28/05	MPM
o-Xylene	1.38	µg/l	0.1	0.33	1		06/28/05	MPM
m-& p-Xylene	0.637	µg/l	0.4	1.33	1	J	06/28/05	MPM



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 WEBSITE www.usfilter.com

PROJECT NO.: DHR CHILI
 REPORT NO. : 179476.5
 DATE REC'D : 06/17/05
 REPORT DATE: 06/30/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	STREY	Matrix:	GRDWTR	Sample Date/Time:	06/15/05 12:55	Lab No.	179477
				Dilution Factor		Date Analyzed	Analyst
	Result	Units	LOD	LOQ			
IPA 8260							
Benzene	0.347	µg/l	0.15	0.50	1	J	06/28/05 MPM
Bromobenzene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Iromochloromethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Iromodichloromethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Bromoform	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
Bromomethane	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
1-Butylbenzene	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
Carbon Tetrachloride	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
Chlorobenzene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Chloroethane	<0.6	µg/l	0.6	2.0	1	CSH	06/28/05 MPM
Chloroform	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Chloromethane	0.321	µg/l	0.2	0.67	1	J	06/29/05 MPM
2-Chlorotoluene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1-Chlorotoluene	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
1,1-Dibromochloromethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1,1-Dibromopropane(DBCP)	<0.3	µg/l	0.3	1.0	1		06/28/05 MPM
1,2-Dibromoethane(EDB)	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Dibromomethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1,2-Dichlorobenzene	<0.75	µg/l	0.75	2.5	1		06/28/05 MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
1,4-Dichlorobenzene	<0.75	µg/l	0.75	2.5	1		06/28/05 MPM
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.83	1		06/28/05 MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
1,2-Dichloroethane	0.15	µg/l	0.1	0.33	1	J	06/28/05 MPM
1,1-Dichloroethyl(yl)ene	<0.15	µg/l	0.15	0.50	1		06/28/05 MPM
cis-1,2-Dichloroethyl(yl)ene	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
trans-1,2-Dichloroethylene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1,2-Dichloropropane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1,3-Dichloropropane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
2,2-Dichloropropane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1,1-Dichloropropene	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
cis-1,3-Dichloropropene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
trans-1,3-Dichloropropene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1-ethylbenzene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		06/28/05 MPM
Isopropylbenzene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1-Isopropyltoluene	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
1-Ethylene Chloride	<0.4	µg/l	0.4	1.33	1		06/28/05 MPM
Methyl t-Butyl Ether(MTBE)	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Naphthalene	<1.00	µg/l	1.0	3.33	1	CSL	06/28/05 MPM
1-Propylbenzene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1-Tyrene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1,1,2-Tetrachloroethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
1,1,2,2-Tetrachloroethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
Tetrachloroethyl(yl)ene	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM
oluene	<0.4	µg/l	0.4	1.33	1		06/28/05 MPM
,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/28/05 MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		06/28/05 MPM
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.67	1		06/28/05 MPM
1,1,2-Trichloroethane	<0.1	µg/l	0.1	0.33	1		06/28/05 MPM



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200 Indiana Ave
Stevens Point, WI 54481

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 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: DHR CHILI
 REPORT NO. : 179476.6
 DATE REC'D : 06/17/05
 REPORT DATE: 06/30/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: STREY Matrix: GRDWTR Sample Date/Time: 06/15/05 12:55 Lab No. 179477

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8260								
Trichloroeth(yl)ene	<0.2	µg/l	0.2	0.67	1		06/28/05	MPM
Trichlorofluoromethane	<0.2	µg/l	0.2	0.67	1		06/28/05	MPM
1,2,3-Trichloropropane	<0.55	µg/l	0.55	1.83	1		06/28/05	MPM
1,2,4-Trimethylbenzene	<0.15	µg/l	0.15	0.50	1		06/28/05	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.50	1		06/28/05	MPM
Vinyl Chloride	<0.15	µg/l	0.15	0.50	1		06/28/05	MPM
o-Xylene	<0.1	µg/l	0.1	0.33	1		06/28/05	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		06/28/05	MPM



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200 Indiana Ave
Stevens Point, WI 54481

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ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: DHR CHILI
REPORT NO. : 179476.7
DATE REC'D : 06/17/05
REPORT DATE: 06/30/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: FISCHER	Matrix: GRDWTR	Sample Date/Time: 06/15/05 13:05				Lab No. 179478			
		Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260									
Benzene	<0.15	µg/l	0.15	0.50		1		06/28/05	MPM
Bromobenzene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Iromochloromethane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Iromodichloromethane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Bromoform	<0.2	µg/l	0.2	0.67		1		06/28/05	MPM
Bromomethane	<0.15	µg/l	0.15	0.50		1		06/28/05	MPM
1-Butylbenzene	<0.2	µg/l	0.2	0.67		1		06/28/05	MPM
sec-Butylbenzene	<0.15	µg/l	0.15	0.50		1		06/28/05	MPM
tert-Butylbenzene	<0.15	µg/l	0.15	0.50		1		06/28/05	MPM
Carbon Tetrachloride	<0.2	µg/l	0.2	0.67		1		06/28/05	MPM
Chlorobenzene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Chloroethane	<0.6	µg/l	0.6	2.0		1	CSH	06/28/05	MPM
Chloroform	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Chloromethane	0.451	µg/l	0.2	0.67		1	J	06/28/05	MPM
2-Chlorotoluene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
1-Chlorotoluene	<0.2	µg/l	0.2	0.67		1		06/28/05	MPM
Dibromochloromethane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Dibromochloropropane(DBCP)	<0.3	µg/l	0.3	1.0		1		06/28/05	MPM
1,2-Dibromoethane(EDB)	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Dibromomethane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
1,2-Dichlorobenzene	<0.75	µg/l	0.75	2.5		1		06/28/05	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.50		1		06/28/05	MPM
1,4-Dichlorobenzene	<0.75	µg/l	0.75	2.5		1		06/28/05	MPM
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.83		1		06/28/05	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.50		1		06/28/05	MPM
1,2-Dichloroethane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
1,1-Dichloroethyl(yl)ene	<0.15	µg/l	0.15	0.50		1		06/28/05	MPM
cis-1,2-Dichloroethyl(yl)ene	<0.2	µg/l	0.2	0.67		1		06/28/05	MPM
trans-1,2-Dichloroethylene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
1,2-Dichloropropane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
1,3-Dichloropropane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
2,2-Dichloropropane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
1,1-Dichloropropene	<0.2	µg/l	0.2	0.67		1		06/28/05	MPM
cis-1,3-Dichloropropene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
trans-1,3-Dichloropropene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Ethylbenzene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33		1		06/28/05	MPM
Isopropylbenzene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
1-Isopropyltoluene	<0.2	µg/l	0.2	0.67		1		06/28/05	MPM
Aethylene Chloride	<0.4	µg/l	0.4	1.33		1		06/28/05	MPM
Methyl t-Butyl Ether(MTBE)	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Naphthalene	<1.00	µg/l	1.0	3.33		1	CSL	06/28/05	MPM
1-Propylbenzene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Styrene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
1,1,1,2-Tetrachloroethane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
1,1,2,2-Tetrachloroethane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Tetrachloroethyl(yl)ene	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM
Toluene	<0.4	µg/l	0.4	1.33		1		06/28/05	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67		1		06/28/05	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67		1		06/28/05	MPM
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.67		1		06/28/05	MPM
1,1,2-Trichloroethane	<0.1	µg/l	0.1	0.33		1		06/28/05	MPM



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200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
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ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: DHR CHILI
REPORT NO. : 179476.8
DATE REC'D : 06/17/05
REPORT DATE: 06/30/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: FISCHER Matrix: GRDWTR Sample Date/Time: 06/15/05 13:05 Lab No. 179478

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8260								
Trichloroeth(yl)ene	<0.2	µg/l	0.2	0.67	1		06/28/05	MPM
Trichlorofluoromethane	<0.2	µg/l	0.2	0.67	1		06/28/05	MPM
1,2,3-Trichloropropane	<0.55	µg/l	0.55	1.83	1		06/28/05	MPM
1,2,4-Trimethylbenzene	<0.15	µg/l	0.15	0.50	1		06/28/05	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.50	1		06/28/05	MPM
Vinyl Chloride	<0.15	µg/l	0.15	0.50	1		06/28/05	MPM
o-Xylene	<0.1	µg/l	0.1	0.33	1		06/28/05	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		06/28/05	MPM



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700 Indiana Ave
Stevens Point, WI 54481

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

PROJECT NO.: DHR CHILI
REPORT NO. : 179476.9
DATE REC'D : 06/17/05
REPORT DATE: 06/30/05
PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID:	TRIP BLANK-USF	Matrix:	WATER	Sample Date/Time: 06/15/05			Lab No. 179479				
				Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8260											
Benzene	<0.15	µg/l	0.15	0.50		1				06/29/05	MPM
Bromobenzene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Bromo(chloromethane	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Bromo(dichloromethane	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Bromoform	<0.2	µg/l	0.2	0.67		1				06/29/05	MPM
Bromomethane	<0.15	µg/l	0.15	0.50		1			CSL	06/29/05	MPM
1-Butylbenzene	<0.2	µg/l	0.2	0.67		1				06/29/05	MPM
2-Butylbenzene	<0.15	µg/l	0.15	0.50		1				06/29/05	MPM
2-Et-Butylbenzene	<0.15	µg/l	0.15	0.50		1				06/29/05	MPM
Carbon Tetrachloride	<0.2	µg/l	0.2	0.67		1				06/29/05	MPM
Chlorobenzene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Chloroethane	<0.6	µg/l	0.6	2.0		1				06/29/05	MPM
Chloroform	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Chloromethane	<0.2	µg/l	0.2	0.67		1				06/29/05	MPM
2-Chlorotoluene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
1-Chlorotoluene	<0.2	µg/l	0.2	0.67		1				06/29/05	MPM
1,1-Dibromo(chloromethane	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
1,1-Dibromo(chloropropane(DBCP)	<0.3	µg/l	0.3	1.0		1				06/29/05	MPM
1,2-Dibromoethane(EDB)	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Dibromomethane	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
1,2-Dichlorobenzene	<0.75	µg/l	0.75	2.5		1				06/29/05	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.50		1				06/29/05	MPM
1,4-Dichlorobenzene	<0.75	µg/l	0.75	2.5		1				06/29/05	MPM
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.83		1				06/29/05	MPM
1,1-Dichloroethane	<0.15	µg/l	0.15	0.50		1				06/29/05	MPM
1,2-Dichloroethane	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
1,1-Dichloroeth(y)lene	<0.15	µg/l	0.15	0.50		1				06/29/05	MPM
cis-1,2-Dichloroeth(y)lene	<0.2	µg/l	0.2	0.67		1				06/29/05	MPM
trans-1,2-Dichloroethylene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
1,2-Dichloropropane	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
1,3-Dichloropropane	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
2,2-Dichloropropane	<0.1	µg/l	0.1	0.33		1			CSL	06/29/05	MPM
1,1-Dichloropropene	<0.2	µg/l	0.2	0.67		1				06/29/05	MPM
cis-1,3-Dichloropropene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
trans-1,3-Dichloropropene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Ethylbenzene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33		1				06/29/05	MPM
Isopropylbenzene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
1-Isopropyltoluene	<0.2	µg/l	0.2	0.67		1				06/29/05	MPM
Methylene Chloride	<0.4	µg/l	0.4	1.33		1				06/29/05	MPM
Methyl t-Butyl Ether(MTBE)	<0.1	µg/l	0.1	0.33		1			CSL	06/29/05	MPM
Naphthalene	<1.00	µg/l	1.0	3.33		1				06/29/05	MPM
t-Propylbenzene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Styrene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
1,1,1,2-Tetrachloroethane	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
1,1,2,2-Tetrachloroethane	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Tetrachloroeth(y)lene	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM
Toluene	<0.4	µg/l	0.4	1.33		1				06/29/05	MPM
1,2,3-Trichlorobenzene	<0.5	µg/l	0.5	1.67		1			CSL	06/29/05	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67		1				06/29/05	MPM
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.67		1				06/29/05	MPM
1,1,2-Trichloroethane	<0.1	µg/l	0.1	0.33		1				06/29/05	MPM



A Siemens Business

Earth Tech, Inc. (Stevens Point WI)
200 Indiana Ave
Stevens Point, WI 54481

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
 FACSIMILE 715-355-3221
 WEBSITE www.usfilter.com

PROJECT NO.: DHR CHILI
 REPORT NO.: 179476.10
 DATE REC'D: 06/17/05
 REPORT DATE: 06/30/05
 PREPARED BY: JRS

Attn: Dave Senfelds

Sample ID: TRIP BLANK-USF Matrix: WATER Sample Date/Time: 06/15/05 Lab No. 179479

	<u>Result</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8260								
Trichloroeth(yl)ene	<0.2	µg/l	0.2	0.67	1		06/29/05	MPM
Trichlorofluoromethane	<0.2	µg/l	0.2	0.67	1		06/29/05	MPM
1,2,3-Trichloropropane	<0.55	µg/l	0.55	1.83	1		06/29/05	MPM
1,2,4-Trimethylbenzene	<0.15	µg/l	0.15	0.50	1		06/29/05	MPM
1,3,5-Trimethylbenzene	<0.15	µg/l	0.15	0.50	1		06/29/05	MPM
Vinyl Chloride	<0.15	µg/l	0.15	0.50	1		06/29/05	MPM
o-Xylene	<0.1	µg/l	0.1	0.33	1		06/29/05	MPM
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		06/29/05	MPM

Qualifier Descriptions

- J Estimated concentration below laboratory quantitation level.
- CSH Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
- CSL Check standard for this analyte exhibited a low bias. Sample results may also be biased low.

REQUEST FOR SERVICES

U.S. Filter

ENVIROSCAN SERVICES

301 W. MILITARY RD.

ROTHSCHILD, WI 54474

1-800-338-SCAN

REPORT TO:

Name: DAVE SCHIELE
Company: EAERTH TECH, INC.
Address: 200 INDIANA AVE
STEVENS POINT, WI 54481
Phone: (715) 342-3039
P.O.# _____
Project # _____ Quote # _____
Location DNR - CHILLI

BILL TO: (if different from Report To info)

Name: _____
Company: SAME
Address: _____

Phone: ()

Sample Type
(Check all that apply)

- Groundwater
 Wastewater
 Soil/Solid
 Drinking Water
 Oil
 Vapor
 Other

Turnaround Time

- Normal
 - Rush (Pre-approved by Lab)

Date Needed _____
Approved By _____

ANALYTICAL REQUESTS

(use separate sheet if necessary)

Voc C 224
M 2303 5247
DCC - VOC VOC
VOC - DCC

CHAIN OF CUSTODY RECORD

SAMPLERS: *(Signature)*

Phil Evans

Del'v: Hand	Comm.	
Ship. Cont. OK	Y	N/A
Samples leaking?	Y	N/A
Seals OK?	Y	N/A
Rec'd on ice?	Y	N/A

Comments: 3.8

<i>Phil Cozman</i>		
RELINQUISHED BY: (Signature) <i>Phil Cozman</i>	DATE/TIME 6/17/05 16:00	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature) <i>(initials)</i>

Wisconsin Department of Natural Resources
Laboratory Report

12/29/2003

Lab: 113133790

Sample: OO001246

Page 1 of 3

Laboratory: Wisconsin State Laboratory of Hygiene **DNR ID** 113133790
2601 Agriculture Dr.
Madison WI 537077996
Phone: 800-442-4618 Fax Phone: 608-224-6276

Sample:

Field #:	Collection Start: 12/10/03 PSE	Sample #: OO001246
Collected by:	CARRIVEAU	Collection End:
ID #:	STREY	Waterbody/Outfall Id:
County:	Clark	ID Point #: IX095
Sample Location:	N5696 CTH "Y"	Account #: RR02
Sample Description:	BY PASSES SOFTENER KITCHEN SINK	DNR ANALYTICALS
Sample Source:	PO	Sample Depth:
Date Reported:	12/23/2003	Sample Status: COM
Project No.:	BACK CHECKED 8/3/05 PSE	

Analyses and Results:

Analysis Method		Analysis Date		Lab Comment				
TEMPERATURE ON RECEIPT-ICED - O950		12/04/2003						
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ	
136	TEMPERATURE AT LAB	E1645696	ICED			9999999		

Analysis Method		Analysis Date		Lab Comment				
VOCS IN WATER BY GC/MS - EPA METHOD		12/10/2003 SEE OO001246.MM1						
Lab Memo	THE FOLLOWING QUALIFIERS EXIST FOR THE DATA THAT IS REPORTED FOR WISCONSIN STATE LABORATORY OF HYGIENE (WSLH) SAMPLE OO001246.							
		THE LOWER QC LIMIT FOR THE CALIBRATION CHECK IS EXCEEDED INDICATED BY *QL.						
		THE LAB MATRIX SPIKE DOES NOT MEET THE LOWER QC LIMIT INDICATED BY *LML.						
		IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.						

Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
77562	1,1,1,2-TETRACHLOROETHANE	630206	ND	UGL	0.20		0.66
34506	1,1,1-TRICHLOROETHANE	71556	ND	UGL	0.15		0.50
34516	1,1,2,2-TETRACHLOROETHANE	79345	ND	UGL	0.15		0.50
34511	1,1,2-TRICHLOROETHANE	79005	ND	UGL	0.15		0.50
34496	1,1-DICHLOROETHANE	75343	ND	UGL	0.15		0.50
34501	1,1-DICHLOROETHYLENE	75354	ND	UGL	0.15		0.50
77168	1,1-DICHLOROPROPENE	563586	ND	UGL	0.15		0.50
77613	1,2,3-TRICHLOROBENZENE	87616	ND	UGL	0.15		0.50

Wisconsin Department of Natural Resources
Laboratory Report

12/29/2003

Lab: 113133790

Sample: OO001246

Page 3 of 3

Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
34371	ETHYLBENZENE	100414	ND	UG/L	0.15		0.50
34391	HEXACHLOROBUTADIENE	87683	ND	UG/L	0.15		0.50
77223	ISOPROPYLBENZENE	98828	ND	UG/L	0.15		0.50
85795	M/P-XYLENE	136777612	ND	UG/L	0.15		0.50
78032	METHYL TERT BUTYL ETHER	1634044	ND	UG/L	0.15		0.50
34423	METHYLENE CHLORIDE	75092	ND	UG/L	0.15		0.50
77342	N-BUTYLBENZENE	104518	ND	UG/L	0.15		0.50
77224	N-PROPYLBENZENE	103651	ND	UG/L	0.15		0.50
34696	NAPHTHALENE	91203	ND	UG/L	0.15		0.50
77275	O-CHLOROTOLUENE	95498	ND	UG/L	0.15		0.50
77135	O-XYLENE	95476	ND	UG/L	0.15		0.50
77277	P-CHLOROTOLUENE	106434	ND	UG/L	0.15		0.50
77356	P-ISOPROPYLTOLUENE	99876	ND	UG/L	0.15		0.50
77128	STYRENE	100425	*QL*LML	UG/L	0.15		0.50
			ND				
34475	TETRACHLOROETHYLENE	127184	ND	UG/L	0.15		0.50
34010	TOLUENE	108883	ND	UG/L	0.15		0.50
39180	TRICHLOROETHYLENE	79016	ND	UG/L	0.15		0.50
34488	TRICHLOROFLUOROMETHANE	75694	ND	UG/L	0.15		0.50
39175	VINYL CHLORIDE	75014	ND	UG/L	0.20		0.66

Analysis Method	Analysis Date	Lab Comment					
VOCS IN WATER BY GC/MS - PREP - EPA Method 2/10/2003							
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
99299	PREP VOCS IN WATER GC/MS METHOD 524.2		COMPLE	TE			

Wisconsin Department of Natural Resources
Laboratory Report

12/29/2003

Lab: 113133790

Sample: OO001246

Page 2 of 3

Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
77443	1,2,3-TRICHLOROPROPANE	96184	ND	UGL	0.15	0.50	
34551	1,2,4-TRICHLOROBENZENE	120821	ND	UGL	0.15	0.50	
77222	1,2,4-TRIMETHYLBENZENE	95636	ND	UGL	0.15	0.50	
38437	1,2-DIBROMO-3-CHLOROPROPANE	96128	ND	UGL	0.20	0.66	
77651	1,2-DIBROMOETHANE	106934	ND	UGL	0.15	0.50	
34536	1,2-DICHLOROBENZENE	95501	ND	UGL	0.15	0.50	
34531	1,2-DICHLOROETHANE	107062	ND	UGL	0.15	0.50	
34546	1,2-DICHLOROETHYLENE	156605	ND	UGL	0.15	0.50	
77093	1,2-DICHLOROETHYLENE CIS	156592	ND	UGL	0.15	0.50	
34541	1,2-DICHLOROPROPANE	78875	ND	UGL	0.15	0.50	
77226	1,3,5-TRIMETHYLBENZENE	108678	ND	UGL	0.15	0.50	
34566	1,3-DICHLOROBENZENE	541731	ND	UGL	0.15	0.50	
77173	1,3-DICHLOROPROPANE	142289	ND	UGL	0.15	0.50	
34704	1,3-DICHLOROPROPENE-CIS	10061015	ND	UGL	0.15	0.50	
34699	1,3-DICHLOROPROPENE-TRANS	10061026	ND	UGL	0.15	0.50	
34571	1,4-DICHLOROBENZENE	106467	ND	UGL	0.15	0.50	
77170	2,2-DICHLOROPROPANE	594207	ND	UGL	0.15	0.50	
34030	BENZENE	71432	1.5	UGL	0.15	0.50	
81555	BROMOBENZENE	108861	ND	UGL	0.15	0.50	
77297	BROMOCHLOROMETHANE	74975	ND	UGL	0.15	0.50	
32101	BROMODICHLOROMETHANE	75274	ND	UGL	0.15	0.50	
32104	BROMOFORM	75252	ND	UGL	0.15	0.50	
34413	BROMOMETHANE	74839	ND	UGL	0.15	0.50	
77350	BUTYLBENZENE SEC	135988	ND	UGL	0.15	0.50	
77353	BUTYLBENZENE TERT	98066	ND	UGL	0.15	0.50	
32102	CARBON TETRACHLORIDE	56235	ND	UGL	0.15	0.50	
34301	CHLOROBENZENE	108907	ND	UGL	0.15	0.50	
34311	CHLOROETHANE	75003	ND	UGL	0.15	0.50	
32106	CHLOROFORM	67663	ND	UGL	0.15	0.50	
34418	CHLOROMETHANE	74873	ND	UGL	0.15	0.50	
32105	DIBROMOCHLOROMETHANE	124481	ND	UGL	0.15	0.50	
77596	DIBROMOMETHANE	74953	ND	UGL	0.15	0.50	
34668	DICHLORODIFLUOROMETHANE	75718	ND	UGL	0.20	0.66	

Wisconsin Department of Natural Resources
Laboratory Report

01/21/2004

Lab: 113133790

Sample: OO001322

Page 1 of 3

Laboratory: Wisconsin State Laboratory of Hygiene
 2601 Agriculture Dr.
 Madison WI 537077996
 Phone: 800-442-4618 Fax Phone: 608-224-6276

DNR ID 113133790

Sample:

Field #: **0001** DNR ANALYTICALS
 Collection Start: 12/10/2003 10:00 am
 Collected by: CARRIVEAU
 ID #: CHIWI SERVICE
 County: Clark
 Sample Location: N5692 HWY Y
 Sample Description: RAW WATER TAP
 Sample Source: PO
 Date Reported: 01/20/2004
 Project No:

Collection End:
 Waterbody/Outfall Id:
 ID Point #:
 Account #: RR02 BACKCHECKED 8/31/05
 Sample Depth:
 Sample Status: COMPLETE PJE

Analyses and Results:

Analysis Method		Analysis Date		Lab Comment			
VOCS IN WATER BY GC/MS - EPA METHOD 12/17/2003							
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
77562	1,1,1,2-TETRACHLOROETHANE	630206	ND	UG/L	0.20		0.66
34506	1,1,1-TRICHLOROETHANE	71556	ND	UG/L	0.15		0.50
34516	1,1,2,2-TETRACHLOROETHANE	79345	ND	UG/L	0.15		0.50
34511	1,1,2-TRICHLOROETHANE	79005	ND	UG/L	0.15		0.50
34496	1,1-DICHLOROETHANE	75343	ND	UG/L	0.15		0.50
34501	1,1-DICHLOROETHYLENE	75354	ND	UG/L	0.15		0.50
77168	1,1-DICHLOROPROPENE	563586	ND	UG/L	0.15		0.50
77613	1,2,3-TRICHLOROBENZENE	87616	ND	UG/L	0.15		0.50
77443	1,2,3-TRICHLOROPROPANE	96184	ND	UG/L	0.15		0.50
34551	1,2,4-TRICHLOROBENZENE	120821	ND	UG/L	0.15		0.50
77222	1,2,4-TRIMETHYLBENZENE	95636	ND	UG/L	0.15		0.50
38437	1,2-DIBROMO-3-CHLOROPROPANE	96128	ND	UG/L	0.20		0.66
77651	1,2-DIBROMOETHANE	106934	ND	UG/L	0.15		0.50
34536	1,2-DICHLOROBENZENE	95501	ND	UG/L	0.15		0.50
34531	1,2-DICHLOROETHANE	107062	ND	UG/L	0.15		0.50
34546	1,2-DICHLOROETHYLENE	156605	ND	UG/L	0.15		0.50
77093	1,2-DICHLOROETHYLENE CIS	156592	ND	UG/L	0.15		0.50
34541	1,2-DICHLOROPROPANE	78875	ND	UG/L	0.15		0.50
77226	1,3,5-TRIMETHYLBENZENE	108678	ND	UG/L	0.15		0.50

Wisconsin Department of Natural Resources
Laboratory Report

01/21/2004

Lab: 113133790

Sample: OO001322

Page 2 of 3

Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
34566	1,3-DICHLOROBENZENE	541731	ND	UG/L	0.15	0.50	
77173	1,3-DICHLOROPROPANE	142289	ND	UG/L	0.15	0.50	
34704	1,3-DICHLOROPROPENE-CIS	10061015	ND	UG/L	0.15	0.50	
34699	1,3-DICHLOROPROPENE-TRANS	10061026	ND	UG/L	0.15	0.50	
34571	1,4-DICHLOROBENZENE	106467	ND	UG/L	0.15	0.50	
77170	2,2-DICHLOROPROPANE	594207	ND	UG/L	0.15	0.50	
34030	BENZENE	71432	ND	UG/L	0.15	0.50	
81555	BROMOBENZENE	108861	ND	UG/L	0.15	0.50	
77297	BROMOCHLOROMETHANE	74975	ND	UG/L	0.15	0.50	
32101	BROMODICHLOROMETHANE	75274	ND	UG/L	0.15	0.50	
32104	BROMOFORM	75252	ND	UG/L	0.15	0.50	
34413	BROMOMETHANE	74839	ND	UG/L	0.15	0.50	
77350	BUTYLBENZENE SEC	135988	ND	UG/L	0.15	0.50	
77353	BUTYLBENZENE TERT	98066	ND	UG/L	0.15	0.50	
32102	CARBON TETRACHLORIDE	56235	ND	UG/L	0.15	0.50	
34301	CHLOROBENZENE	108907	ND	UG/L	0.15	0.50	
34311	CHLOROETHANE	75003	ND	UG/L	0.15	0.50	
32106	CHLOROFORM	67663	ND	UG/L	0.15	0.50	
34418	CHLOROMETHANE	74873	ND	UG/L	0.15	0.50	
32105	DIBROMOCHLOROMETHANE	124481	ND	UG/L	0.15	0.50	
77596	DIBROMOMETHANE	74953	ND	UG/L	0.15	0.50	
34668	DICHLORODIFLUOROMETHANE	75718	ND	UG/L	0.20	0.66	
34371	ETHYLBENZENE	100414	0.27	UG/L	0.15	0.50	
34391	HEXACHLOROBUTADIENE	87683	ND	UG/L	0.15	0.50	
77223	ISOPROPYLBENZENE	98828	ND	UG/L	0.15	0.50	
85795	M/P-XYLENE	136777612	0.96	UG/L	0.15	0.50	
78032	METHYL TERT BUTYL ETHER	1634044	ND	UG/L	0.15	0.50	
34423	METHYLENE CHLORIDE	75092	3.0	UG/L	0.15	0.50	
77342	N-BUTYLBENZENE	104518	ND	UG/L	0.15	0.50	
77224	N-PROPYLBENZENE	103651	ND	UG/L	0.15	0.50	
34696	NAPHTHALENE	91203	ND	UG/L	0.15	0.50	
77275	O-CHLOROTOLUENE	95498	ND	UG/L	0.15	0.50	
77135	O-XYLENE	95476	ND	UG/L	0.15	0.50	
77277	P-CHLOROTOLUENE	106434	ND	UG/L	0.15	0.50	

Wisconsin Department of Natural Resources
Laboratory Report

01/21/2004

Lab: 113133790

Sample: OO001322

Page 3 of 3

Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
77356	P-ISOPROPYL TOLUENE	99876	ND	UG/L	0.15	0.50	
77128	STYRENE	100425	ND	UG/L	0.15	0.50	
34475	TETRACHLOROETHYLENE	127184	ND	UG/L	0.15	0.50	
34010	TOLUENE	108883	1.2	UG/L	0.15	0.50	
39180	TRICHLOROETHYLENE	79016	ND	UG/L	0.15	0.50	
34488	TRICHLOROFUOROMETHANE	75694	ND	UG/L	0.15	0.50	
39175	VINYL CHLORIDE	75014	ND	UG/L	0.20		0.66

Analysis Method	Analysis Date	Lab Comment
VOCS IN WATER BY GC/MS - PREP - EPA ME2/17/2003		
Code	Description	Cas No
99299	PREP VOCS IN WATER GC/MS METHOD 524.2	COMPLE TE

Analysis Method	Analysis Date	Lab Comment
TEMPERATURE ON RECEIPT-ICED - O950 12/17/2003		
Code	Description	Cas No
136	TEMPERATURE AT LAB	E1645696

09/20/04 10:40 FAX 1 715 839 6076
NOV-18-2003 17:15 FROM:U&H INC. ADMIN.
11/18/2003 15:18 FAX 715 355 3221

DNR WCR

715-389-9815
USFILTER, ENVIRONSCAN

TO: 715 355 5253

005

P. 002/006
001/005



ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54471

TELEPHONE
FACSIMILE
WEBSITE

8003887226
7153653221
www.usfilter.com

November 18, 2003

Tad & Dawn Krueger
W887 Chili Road
Chili, WI 54420

Post-It® Fax Note	7671	Date:	11/18/03
To:	Dawn Krueger	From:	Sharon Maltby
Co./Dept.		Co.	
Phone #		Phone #	
Fax #	715-389-9815	Fax #	

Attn: Tad Krueger/ Dawn Krueger

REPORT NO.: 143933

KRUEGER
PROJECT DNR ANALYTICALS

Please find enclosed the analytical report, incl
Summary, Sample Narrative and Chain of Custody E
set received November 10, 2003.

8/31/05
BACL CHECKED
PJE

All analyses were performed in accordance with a
as indicated on this report.

If you have any questions about the results, please call. Thank
you for using USFilter, Enviroscan Services for your analytical
needs.

Sincerely,

USFilter, Enviroscan Services

Sharon K. Maltby

Sharon K. Maltby
Project Manager

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 90 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by:

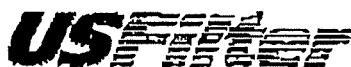
Sharon K. Maltby



09/20/04 10:40 FAX 1 715 839 6076
09-18-2003 17:16 FROM:U&H INC. ADMIN.
11/18/2003 15:18 FAX 715 355 3221

DNR WCR
715-389-9815
TO: 715 355 5253
USFILTER, ENVIRONSCAN

006
P. 003/006
002/005



ENVIROSCAN SERVICES
307 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.usfilter.com

Sample Summary

143933-2

Lab Id
143933
143934

Client Sample Id
WELL H2OKITCHEN
TRIP BLANK-USF

Date/Time
11/10/03 05:45
11/10/03

Matrix
DRINKING WATER
WATER

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

BASICS:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
CONP = Complete
SUBCON = Subcontracted analysis
mV = millivolts
pCi/l = picocuries per liter
ml/l = milliliters/liter

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligram per kilogram = parts per million (ppm)
NOT PRESENT
ppth = Parts per thousand
(S) = Surrogate Compound

09/20/04 10:41 FAX 1 715 839 6076
NOV-18-2003 17:16 FROM:U&H INC. ADMIN.
11/18/2003 15:18 FAX 715 355 3221

DNR WCR

715-389-9815
USFILTER, ENVIRONSCAN

TO: 715 355 5253

007

P. 004/006
003/005



Tad & Dawn Krueger
4807 Chili Road
Chili, WI 54420

Attn: Tad Krueger/ Dawn Krueger

Sample ID: WELL 110KITCHEN

Matrix: DRINK

ENVIRONSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE
FACSIMILE
WEBSITE

800-330-7226
715-355-3221
www.usfilter.com

PROJECT NO.:
REPORT NO.: 143933.3
DATE REC'D.: 11/10/03
REPORT DATE: 11/18/03
PREPARED BY: SKM

EPA 526.2		Sample Date/Time: 11/10/03 09:45	Lab No. 143933				
Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyte
Benzene	µg/l	0.1	0.333	10		11/14/03	MPM
Bromobenzene	µg/l	0.1	0.333	10		11/14/03	MPM
Bromodichloromethane	µg/l	0.1	0.333	10		11/14/03	MPM
Bromoform	µg/l	0.2	0.666	10		11/14/03	MPM
Bromomethane	µg/l	0.1	0.333	10		11/14/03	MPM
Carbon Tetrachloride	µg/l	0.1	0.333	10		11/14/03	MPM
Chlorobenzene	µg/l	0.1	0.333	10		11/14/03	MPM
Chloroethane	µg/l	0.6	2.0	10		11/14/03	MPM
Chloroform	µg/l	0.1	0.333	10		11/14/03	MPM
Chloromethane	µg/l	0.2	0.666	10		11/14/03	MPM
2-Chlorotoluene	µg/l	0.1	0.333	10		11/14/03	MPM
4-Chlorotoluene	µg/l	0.2	0.666	10		11/14/03	MPM
Dibromoethane	µg/l	0.1	0.333	10		11/14/03	MPM
Dibromochloropropane(DBCP)	µg/l	0.3	0.999	10		11/14/03	MPM
1,2-Dibromoethane(EDB)	µg/l	0.1	0.333	10		11/14/03	MPM
Dibromomethane	µg/l	0.1	0.333	10		11/14/03	MPM
1,2-Dichlorobenzene	µg/l	0.2	0.666	10		11/14/03	MPM
1,3-Dichlorobenzene	µg/l	0.15	0.5	10		11/14/03	MPM
1,4-Dichlorobenzene	µg/l	0.15	0.5	10		11/14/03	MPM
1,1-Dichloroethane	µg/l	0.1	0.333	10		11/14/03	MPM
1,2-Dichloroethane	µg/l	0.1	0.333	10		11/14/03	MPM
1,1-Dichloroethyl(yl)ene	µg/l	0.1	0.333	10		11/14/03	MPM
cis-1,2-Dichloroethyl(yl)ene	µg/l	0.1	0.333	10		11/14/03	MPM
trans-1,2-Dichloroethyl(yl)ene	µg/l	0.1	0.333	10		11/14/03	MPM
1,2-Dichloropropene	µg/l	0.1	0.333	10		11/14/03	MPM
1,3-Dichloropropene	µg/l	0.1	0.333	10		11/14/03	MPM
2,2-Dichloropropene	µg/l	0.1	0.333	10		11/14/03	MPM
1,1-Dichloropropene	µg/l	0.2	0.666	10		11/14/03	MPM
cis-1,3-Dichloropropene	µg/l	0.1	0.333	10		11/14/03	MPM
trans-1,3-Dichloropropene	µg/l	0.1	0.333	10		11/14/03	MPM
Ethylbenzene	µg/l	0.1	0.333	10		11/14/03	MPM
Methylone Chloride	µg/l	0.25	0.833	10		11/14/03	MPM
Styrene	µg/l	0.1	0.333	10		11/14/03	MPM
1,1,1,2-Tetrachloroethane	µg/l	0.1	0.333	10		11/14/03	MPM
1,1,2,2-Tetrachloroethane	µg/l	0.1	0.333	10		11/14/03	MPM
Tetrachloroethyl(yl)ene	µg/l	0.1	0.333	10		11/14/03	MPM
Toluene	µg/l	0.4	1.33	10		11/14/03	MPM
1,2,4-Trichlorobenzene	µg/l	0.5	1.67	10		11/14/03	MPM
1,1,1-Trichloroethane	µg/l	0.1	0.333	10		11/14/03	MPM
1,1,2-Trichloroethane	µg/l	0.1	0.333	10		11/14/03	MPM
Trichloroethyl(yl)ene	µg/l	0.2	0.666	10		11/14/03	MPM
1,2,3-Trichloropropane	µg/l	0.4	1.33	10		11/14/03	MPM
Vinyl Chloride	µg/l	0.1	0.333	10		11/14/03	MPM
o-Xylene	µg/l	0.1	0.333	10		11/14/03	MPM
m- & p-Xylene	µg/l	0.4	1.33	10		11/14/03	MPM

VEOLIA
Environment



Ted & Dawn Krueger
 4887 Chili Road
 Chili, WI 54420

ENVIROSCAN SERVICES
 301 WEST MILITARY ROAD
 ROTHSCILD, WI 54474

TELEPHONE
 FACSIMILE
 WEBSITE

800-338-7226
 715-355-3221
 www.usfilter.com

Attn: Ted Krueger / Dawn Krueger

Sample ID: TRIP BLANK-USF

Matrix: WATER

Sample Date/Time: 11/10/03

Lab No. 143935

PROJECT NO.:
 REPORT NO.: 143935-4
 DATE REC'D.: 11/10/03
 REPORT DATE: 11/18/03
 PREPARED BY: SKM

EPA 524.2	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
Benzene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Bromobenzene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Bromodichloromethane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Bromoform	<0.2	µg/l	0.2	0.666	1		11/14/03	MPM
Bromomethane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Carbon Tetrachloride	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Chlorobenzene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Chloroethane	<0.4	µg/l	0.6	2.0	1		11/14/03	MPM
Chloroform	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Chloromethane	<0.2	µg/l	0.2	0.666	1		11/14/03	MPM
2-Chlorotoluene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
4-Chlorotoluene	<0.2	µg/l	0.2	0.666	1		11/14/03	MPM
Dibromochloropropane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Dibromochloropropene(DBCP)	<0.3	µg/l	0.3	0.999	1		11/14/03	MPM
1,2-Dibromoethane(EDB)	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Dibromoethane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
1,2-Dichlorobenzene	<0.2	µg/l	0.2	0.666	1		11/14/03	MPM
1,3-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		11/14/03	MPM
1,4-Dichlorobenzene	<0.15	µg/l	0.15	0.5	1		11/14/03	MPM
1,1-Dichloroethane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
1,2-Dichloroethane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
1,1-Dichloroethylene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
cis-1,2-Dichloroethylidene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
trans-1,2-Dichloroethylene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
1,2-Dichloropropane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
1,3-Dichloropropane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
2,2-Dichloropropane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
1,1-Dichloropropene	<0.2	µg/l	0.2	0.666	1		11/14/03	MPM
cis-1,3-Dichloropropene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
trans-1,3-Dichloropropene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Ethylbenzene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Methylene Chloride	<0.25	µg/l	0.25	0.833	1		11/14/03	MPM
Styrene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
1,1,1,2-Tetrachloroethane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
1,1,2,2-Tetrachloroethane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Tetrachloroethylidene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Toluene	<0.4	µg/l	0.4	1.33	1		11/14/03	MPM
1,2,4-Trichlorobenzene	<0.5	µg/l	0.5	1.67	1		11/14/03	MPM
1,1,1-Trichloroethane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
1,1,2-Trichloroethane	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
Trichloroethylidene	<0.2	µg/l	0.2	0.666	1		11/14/03	MPM
1,2,3-Trichloropropene	<0.4	µg/l	0.4	1.33	1		11/14/03	MPM
Vinyl Chloride	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
n-Xylene	<0.1	µg/l	0.1	0.333	1		11/14/03	MPM
m-& p-Xylene	<0.4	µg/l	0.4	1.33	1		11/14/03	MPM

09/20/04 10:42 FAX 1 715 839 6076
NOV-18-2003 17:16 FROM:U&H INC. ADMIN.
11/18/2003 15:18 FAX 715 355 3221

DNR WCR
715-389-9815
USFILTER, ENVIRONSCAN

TO: 715 355 5253

009
P. 006/006
005/005

REQUEST FOR SERVICES

USFilter

ENVIROSCAN SERVICES

301 W. MILITARY RD.

ROTHSCHILD, WI 54474 1-800-338-SCAN

REPORT TO:

Name: Tad & Dawn Krueger

Company: _____

Address: 4887 Chili Rd
Chili WI 54920

Phone: (715) 683-6883

F.O.# _____

Project # _____ Quote # 2004

Location _____

BILL TO: (If different from Report To info)

Name: _____

Company: _____

Address: _____

Phone: ()

Sample Type
(Check all that apply)

- Groundwater
- Wastewater
- Soil/Solid
- Drinking Water
- Oil
- Vapor
- Other

Turnaround Time

- Normal
- Rush (Pre-approved by Lab)

Date Needed _____
Approved By _____

ANALYTICAL REQUESTS

(use separate sheet if necessary)

TEST	10C	30C	40C	50C	60C	70C	80C	90C	100C	110C	120C	130C	140C	150C	160C	170C	180C	190C	200C	210C	220C	230C	240C	250C	260C	270C	280C	290C	300C	310C	320C	330C	340C	350C	360C	370C	380C	390C	400C	410C	420C	430C	440C	450C	460C	470C	480C	490C	500C	510C	520C	530C	540C	550C	560C	570C	580C	590C	600C	610C	620C	630C	640C	650C	660C	670C	680C	690C	700C	710C	720C	730C	740C	750C	760C	770C	780C	790C	800C	810C	820C	830C	840C	850C	860C	870C	880C	890C	900C	910C	920C	930C	940C	950C	960C	970C	980C	990C	1000C	1010C	1020C	1030C	1040C	1050C	1060C	1070C	1080C	1090C	1100C	1110C	1120C	1130C	1140C	1150C	1160C	1170C	1180C	1190C	1200C	1210C	1220C	1230C	1240C	1250C	1260C	1270C	1280C	1290C	1300C	1310C	1320C	1330C	1340C	1350C	1360C	1370C	1380C	1390C	1400C	1410C	1420C	1430C	1440C	1450C	1460C	1470C	1480C	1490C	1500C	1510C	1520C	1530C	1540C	1550C	1560C	1570C	1580C	1590C	1600C	1610C	1620C	1630C	1640C	1650C	1660C	1670C	1680C	1690C	1700C	1710C	1720C	1730C	1740C	1750C	1760C	1770C	1780C	1790C	1800C	1810C	1820C	1830C	1840C	1850C	1860C	1870C	1880C	1890C	1900C	1910C	1920C	1930C	1940C	1950C	1960C	1970C	1980C	1990C	2000C	2010C	2020C	2030C	2040C	2050C	2060C	2070C	2080C	2090C	2100C	2110C	2120C	2130C	2140C	2150C	2160C	2170C	2180C	2190C	2200C	2210C	2220C	2230C	2240C	2250C	2260C	2270C	2280C	2290C	2300C	2310C	2320C	2330C	2340C	2350C	2360C	2370C	2380C	2390C	2400C	2410C	2420C	2430C	2440C	2450C	2460C	2470C	2480C	2490C	2500C	2510C	2520C	2530C	2540C	2550C	2560C	2570C	2580C	2590C	2600C	2610C	2620C	2630C	2640C	2650C	2660C	2670C	2680C	2690C	2700C	2710C	2720C	2730C	2740C	2750C	2760C	2770C	2780C	2790C	2800C	2810C	2820C	2830C	2840C	2850C	2860C	2870C	2880C	2890C	2900C	2910C	2920C	2930C	2940C	2950C	2960C	2970C	2980C	2990C	3000C	3010C	3020C	3030C	3040C	3050C	3060C	3070C	3080C	3090C	3100C	3110C	3120C	3130C	3140C	3150C	3160C	3170C	3180C	3190C	3200C	3210C	3220C	3230C	3240C	3250C	3260C	3270C	3280C	3290C	3300C	3310C	3320C	3330C	3340C	3350C	3360C	3370C	3380C	3390C	3400C	3410C	3420C	3430C	3440C	3450C	3460C	3470C	3480C	3490C	3500C	3510C	3520C	3530C	3540C	3550C	3560C	3570C	3580C	3590C	3600C	3610C	3620C	3630C	3640C	3650C	3660C	3670C	3680C	3690C	3700C	3710C	3720C	3730C	3740C	3750C	3760C	3770C	3780C	3790C	3800C	3810C	3820C	3830C	3840C	3850C	3860C	3870C	3880C	3890C	3900C	3910C	3920C	3930C	3940C	3950C	3960C	3970C	3980C	3990C	4000C	4010C	4020C	4030C	4040C	4050C	4060C	4070C	4080C	4090C	4100C	4110C	4120C	4130C	4140C	4150C	4160C	4170C	4180C	4190C	4200C	4210C	4220C	4230C	4240C	4250C	4260C	4270C	4280C	4290C	4300C	4310C	4320C	4330C	4340C	4350C	4360C	4370C	4380C	4390C	4400C	4410C	4420C	4430C	4440C	4450C	4460C	4470C	4480C	4490C	4500C	4510C	4520C	4530C	4540C	4550C	4560C	4570C	4580C	4590C	4600C	4610C	4620C	4630C	4640C	4650C	4660C	4670C	4680C	4690C	4700C	4710C	4720C	4730C	4740C	4750C	4760C	4770C	4780C	4790C	4800C	4810C	4820C	4830C	4840C	4850C	4860C	4870C	4880C	4890C	4900C	4910C	4920C	4930C	4940C	4950C	4960C	4970C	4980C	4990C	5000C	5010C	5020C	5030C	5040C	5050C	5060C	5070C	5080C	5090C	5100C	5110C	5120C	5130C	5140C	5150C	5160C	5170C	5180C	5190C	5200C	5210C	5220C	5230C	5240C	5250C	5260C	5270C	5280C	5290C	5300C	5310C	5320C	5330C	5340C	5350C	5360C	5370C	5380C	5390C	5400C	5410C	5420C	5430C	5440C	5450C	5460C	5470C	5480C	5490C	5500C	5510C	5520C	5530C	5540C	5550C	5560C	5570C	5580C	5590C	5600C	5610C	5620C	5630C	5640C	5650C	5660C	5670C	5680C	5690C	5700C	5710C	5720C	5730C	5740C	5750C	5760C	5770C	5780C	5790C	5800C	5810C	5820C	5830C	5840C	5850C	5860C	5870C	5880C	5890C	5900C	5910C	5920C	5930C	5940C	5950C	5960C	5970C	5980C	5990C	6000C	6010C	6020C	6030C	6040C	6050C	6060C	6070C	6080C	6090C	6100C	6110C	6120C	6130C	6140C	6150C	6160C	6170C	6180C	6190C	6200C	6210C	6220C	6230C	6240C	6250C	6260C	6270C	6280C	6290C	6300C	6310C	6320C	6330C	6340C	6350C	6360C	6370C	6380C	6390C	6400C	6410C	6420C	6430C	6440C	6450C	6460C	6470C	6480C	6490C	6500C	6510C	6520C	6530C	6540C	6550C	6560C	6570C	6580C	6590C	6600C	6610C	6620C	6630C	6640C	6650C	6660C	6670C	6680C	6690C	6700C	6710C	6720C	6730C	6740C	6750C	6760C	6770C	6780C	6790C	6800C	6810C	6820C	6830C	6840C	6850C	6860C	6870C	6880C	6890C	6900C	6910C	6920C	6930C	6940C	6950C	6960C	6970C	6980C	6990C	7000C	7010C	7020C	7030C	7040C	7050C	7060C	7070C	7080C	7090C	7100C	7110C	7120C	7130C	7140C	7150C	7160C	7170C	7180C	7190C	7200C	7210C	7220C	7230C	7240C	7250C	7260C	7270C	7280C	7290C	7300C	7310C	7320C	7330C	7340C	7350C	7360C	7370C	7380C	7390C	7400C	7410C	7420C	7430C	7440C	7450C	7460C	7470C	7480C	7490C	7500C	7510C	7520C	7530C	7540C	7550C	7560C	7570C	7580C	7590C	7600C	7610C	7620C	7630C	7640C	7650C	7660C	7670C	7680C	7690C	7700C	7710C	7720C	7730C	7740C	7750C	7760C	7770C	7780C	7790C	7800C	7810C	7820C	7830C	7840C	7850C	7860C	7870C	7880C	7890C	7900C	7910C	7920C	7930C	7940C	7950C	7960C	7970C	7980C	7990C	8000C	8010C	8020C	8030C	8040C	8050C	8060C	8070C	8080C	8090C	8100C	8110C	8120C	8130C	8140C	8150C	8160C	8170C	8180C	8190C	8200C	8210C	8220C	8230C	8240C	8250C	8260C	8270C	8280C	8290C	8300C	8310C	8320C	8330C	8340C	8350C	8360C	8370C	8380C	8390C	8400C	8410C	8420C	8430C	8440C	8450C	8460C	8470C	8480C	8490C	8500C	8510C	8520C	8530C	8540C	8550C	8560C	8570C	8580C	8590C	8600C	8610C	8620C	8630C	8640C	8650C	8660C	8670C	8680C	8690C	8700C	8710C	8720C	8730C	8740C	8750C	8760C	8770C	8780C	8790C	8800C	8810C	8820C	8830C	8840C	8850C	8860C	8870C	8880C	8890C	8900C	8910C	8920C	8930C	8940C	8950C	8960C	8970C	8980C	8990C	9000C	9010C	9020C	9030C	9040C	9050C	9060C	9070C	9080C	9090C	9100C	9110C	9120C	9130C	9140C	9150C	9160C	9170C	9180C	9190C	9200C	9210C	9220C	9230C	9240C	9250C	9260C	9270C	9280C	9290C	9300C	9310C	9320C	9330C	9340C	9350C	9360C	9370C	9380C	9390C	9400C	9410C	9420C	9430C	9440C	9450C	9460C	9470C	9480C	9490C	9500C	9510C	9520C	9530C	9540C	9550C	9560C	9570C	9580C	9590C	9600C	9610C	9620C	9630C	9640C	9650C	9660C	9670C	9680C	9690C	9700C	9710C	9720C	9730C	9740C	9750C	9760C	9770C	9780C	9790C	9800C	9810C	9820C	9830C	9840C	9850C	9860C	9870C	9880C	9890C	9900C	9910C	9920C	9930C	9940C	9950C	9960C	9970C	9980C	9990C	10000C	10010C	10020C	10030C	10040

Wisconsin Department of Natural Resources

Laboratory Report

12/29/2003

Lab: 113133790

Sample: OO001247

Page 1 of 3

Laboratory: Wisconsin State Laboratory of Hygiene
 2601 Agriculture Dr.
 Madison WI 537077996
 Phone: 800-442-4618 Fax Phone: 608-224-6276

DNR ID 113133790

Sample:

Field #:

Collection Start: 12/10/03 - PSE

Sample #: OO001247

Collected by: CARRIVEAU

Collection End:

ID #:

Waterbody/Outfall Id:

County: Clark

ID Point #: JG010

Sample Location: W887 CHILI ROAD.

Account #: RR027

Sample Description: WASH SINK BASEMENT

Sample Source: PO

Sample Depth:

Date Reported: 12/23/2003

Sample Status: COMPLETE

Project No.:

Analyses and Results:

Analysis Method	Analysis Date	Lab Comment					
VOCS IN WATER BY GC/MS - EPA METHOD 12/10/2003 SEE OO001247.MM1							
Lab Memo THE FOLLOWING QUALIFIERS EXIST FOR THE DATA THAT IS REPORTED FOR WISCONSIN STATE LABORATORY OF HYGIENE (WSLH) SAMPLE OO001247.							
THE LOWER QC LIMIT FOR THE CALIBRATION CHECK IS EXCEEDED INDICATED BY *QL.							
THE LAB MATRIX SPIKE DOES NOT MEET THE LOWER QC LIMIT INDICATED BY *LML.							
THIS SAMPLE MAY CONTAIN THE COMPOUNDS LISTED BELOW ACCORDING TO TENTATIVE COMPUTER IDENTIFICATION FROM GAS CHROMATOGRAPHY/MASS SPECTROSCOPY ANALYSIS. THE CONCENTRATION OF THE CONTAMINANTS COULD NOT BE DETERMINED, NOR HAS THE PRESENCE OF THE COMPOUNDS BEEN CONFIRMED BY ALTERNATIVE ANALYSIS TECHNIQUES.							
HYDROCARBONS ALKYLATED BENZENES							
IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.							
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
77562	1,1,1,2-TETRACHLOROETHANE	630206	ND	UGL	0.20		0.66
34506	1,1,1-TRICHLOROETHANE	71556	ND	UGL	0.15		0.50
34516	1,1,2,2-TETRACHLOROETHANE	79345	ND	UGL	0.15		0.50
34511	1,1,2-TRICHLOROETHANE	79005	ND	UGL	0.15		0.50
34496	1,1-DICHLOROETHANE	75343	ND	UGL	0.15		0.50
34501	1,1-DICHLOROETHYLENE	75354	ND	UGL	0.15		0.50

Wisconsin Department of Natural Resources
Laboratory Report

12/29/2003

Lab: 113133790

Sample: OO001247

Page 2 of 3

Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
77168	1,1-DICHLOROPROPENE	563586	ND	UG/L	0.15	0.50	
77613	1,2,3-TRICHLOROBENZENE	87616	ND	UG/L	0.15	0.50	
77443	1,2,3-TRICHLOROPROPANE	96184	ND	UG/L	0.15	0.50	
34551	1,2,4-TRICHLOROBENZENE	120821	ND	UG/L	0.15	0.50	
77222	1,2,4-TRIMETHYLBENZENE	95636	0.99	UG/L	0.15	0.50	
38437	1,2-DIBROMO-3-CHLOROPROPANE	96128	ND	UG/L	0.20	0.66	
77651	1,2-DIBROMOETHANE	106934	0.83	UG/L	0.15	0.50	
34536	1,2-DICHLOROBENZENE	95501	ND	UG/L	0.15	0.50	
34531	1,2-DICHLOROETHANE	107062	1.9	UG/L	0.15	0.50	
34546	1,2-DICHLOROETHYLENE	156605	ND	UG/L	0.15	0.50	
77093	1,2-DICHLOROETHYLENE CIS	156592	ND	UG/L	0.15	0.50	
34541	1,2-DICHLOROPROPANE	78875	ND	UG/L	0.15	0.50	
77226	1,3,5-TRIMETHYLBENZENE	108678	ND	UG/L	0.15	0.50	
34566	1,3-DICHLOROBENZENE	541731	ND	UG/L	0.15	0.50	
77173	1,3-DICHLOROPROPANE	142289	ND	UG/L	0.15	0.50	
34704	1,3-DICHLOROPROPENE-CIS	10061015	ND	UG/L	0.15	0.50	
34699	1,3-DICHLOROPROPENE-TRANS	10061026	ND	UG/L	0.15	0.50	
34571	1,4-DICHLOROBENZENE	106467	ND	UG/L	0.15	0.50	
77170	2,2-DICHLOROPROPANE	594207	ND	UG/L	0.15	0.50	
34030	BENZENE	71432	71.	UG/L	0.15	0.50	
81555	BROMOBENZENE	108861	ND	UG/L	0.15	0.50	
77297	BROMOCHLOROMETHANE	74975	ND	UG/L	0.15	0.50	
32101	BROMODICHLOROMETHANE	75274	ND	UG/L	0.15	0.50	
32104	BROMOFORM	75252	ND	UG/L	0.15	0.50	
34413	BROMOMETHANE	74839	ND	UG/L	0.15	0.50	
77350	BUTYLBENZENE SEC	135988	ND	UG/L	0.15	0.50	
77353	BUTYLBENZENE TERT	98066	ND	UG/L	0.15	0.50	
32102	CARBON TETRACHLORIDE	56235	ND	UG/L	0.15	0.50	
34301	CHLOROBENZENE	108907	ND	UG/L	0.15	0.50	
34311	CHLOROETHANE	75003	ND	UG/L	0.15	0.50	
32106	CHLOROFORM	67663	ND	UG/L	0.15	0.50	
34418	CHLOROMETHANE	74873	ND	UG/L	0.15	0.50	
32105	DIBROMOCHLOROMETHANE	124481	ND	UG/L	0.15	0.50	

Wisconsin Department of Natural Resources

Laboratory Report

12/29/2003

Lab: 113133790

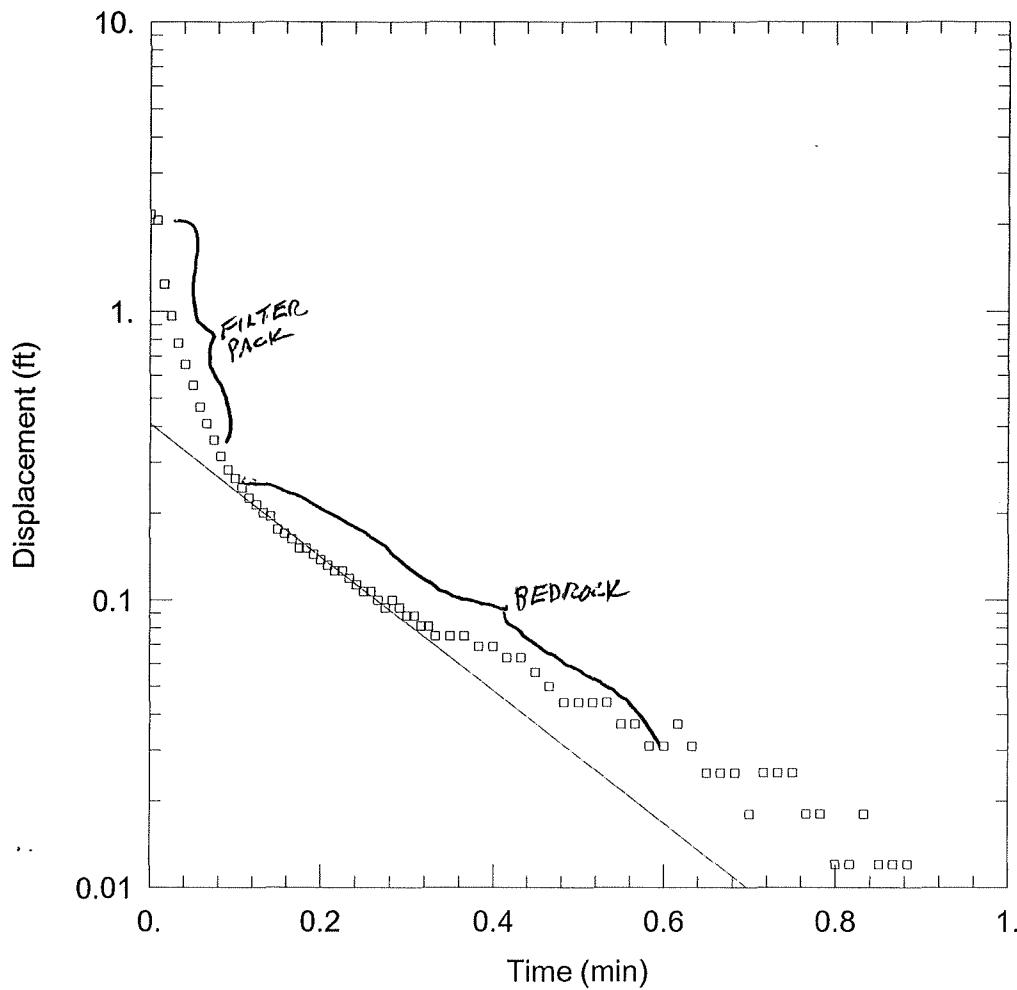
Sample: OO001247

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Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
77596	DIBROMOMETHANE	74953	ND	UGL	0.15	0.50	
34668	DICHLORODIFLUOROMETHANE	75718	ND	UGL	0.20	0.66	
34371	ETHYLBENZENE	100414	ND	UGL	0.15	0.50	
34391	HEXACHLOROBUTADIENE	87683	ND	UGL	0.15	0.50	
77223	ISOPROPYLBENZENE	98828	0.32	UGL	0.15	0.50	
85795	M/P-XYLENE	136777612	0.20	UGL	0.15	0.50	
78032	METHYL TERT BUTYL ETHER	1634044	ND	UGL	0.15	0.50	
34423	METHYLENE CHLORIDE	75092	ND	UGL	0.15	0.50	
77342	N-BUTYLBENZENE	104518	ND	UGL	0.15	0.50	
77224	N-PROPYLBENZENE	103651	ND	UGL	0.15	0.50	
34696	NAPHTHALENE	91203	2.4	UGL	0.15	0.50	
77275	O-CHLOROTOLUENE	95498	ND	UGL	0.15	0.50	
77135	O-XYLENE	95476	4.2	UGL	0.15	0.50	
77277	P-CHLOROTOLUENE	106434	ND	UGL	0.15	0.50	
77356	P-ISOPROPYLTOLUENE	99876	ND	UGL	0.15	0.50	
77128	STYRENE	100425	*QL*LML	UGL	0.15	0.50	
			ND				
34475	TETRACHLOROETHYLENE	127184	ND	UGL	0.15	0.50	
34010	TOLUENE	108883	0.68	UGL	0.15	0.50	
39180	TRICHLOROETHYLENE	79016	ND	UGL	0.15	0.50	
34488	TRICHLOROFUOROMETHANE	75694	ND	UGL	0.15	0.50	
39175	VINYL CHLORIDE	75014	ND	UGL	0.20	0.66	

Analysis Method	Analysis Date	Lab Comment
VOCS IN WATER BY GC/MS - PREP - EPA M12/10/2003		
Code	Description	Cas No
99299	PREP VOCS IN WATER GC/MS METHOD 524.2	
		COMPLE
		TE

Analysis Method	Analysis Date	Lab Comment
TEMPERATURE ON RECEIPT-ICED - Q950 12/04/2003		
Code	Description	Cas No
136	TEMPERATURE AT LAB	E1645696
		ICED
		9999999



WELL TEST ANALYSIS

Data Set: L:\work\Projects\82060\eng\Slug Test\MW-3-1r.1aqt.aqt
 Date: 11/14/05 Time: 14:26:27

PROJECT INFORMATION

Company: Earth Tech Inc.
 Client: WDNR
 Project: 82060
 Location: Chile Wisconsin
 Test Well: MW-3
 Test Date: 6/22/05

AQUIFER DATA

Saturated Thickness: 40. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3)

Initial Displacement: 2.16 ft
 Total Well Penetration Depth: 9.67 ft
 Casing Radius: 0.1 ft

Static Water Column Height: 9.67 ft
 Screen Length: 15. ft
 Wellbore Radius: 0.1 ft

SOLUTION

Aquifer Model: Confined

$K = 0.002886 \text{ cm/sec} = 61,18 \text{ gal/sec/ft}^2$

Solution Method: Bouwer-Rice

$y_0 = 0.4086 \text{ ft}$

Data Set: L:\work\Projects\82060\eng\Slug Test\MW-3-1r.1aqt.aqt

Date: 11/14/05

Time: 14:26:36

PROJECT INFORMATION

Company: Earth Tech Inc.

Client: WDNR

Project: 82060

Location: Chile Wisconsin

Test Date: 6/22/05

Test Well: MW-3

AQUIFER DATA

Saturated Thickness: 40. ft

Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: : MW-3

X Location: 0. ft

Y Location: 0. ft

Initial Displacement: 2.16 ft

Static Water Column Height: 9.67 ft

Casing Radius: 0.1 ft

Wellbore Radius: 0.1 ft

Well Skin Radius: 0.1 ft

Screen Length: 15. ft

Total Well Penetration Depth: 9.67 ft

No. of Observations: 81

Observation Data			
Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	2.16	0.35	0.075
0.0083	2.066	0.3666	0.075
0.0166	1.241	0.3833	0.069
0.025	0.964	0.4	0.069
0.0333	0.775	0.4166	0.063
0.0416	0.655	0.4333	0.063
0.05	0.554	0.45	0.056
0.0583	0.466	0.4666	0.05
0.0666	0.409	0.4833	0.044
0.075	0.359	0.5	0.044
0.0833	0.315	0.5166	0.044
0.0916	0.283	0.5333	0.044
0.1	0.264	0.55	0.037
0.1083	0.245	0.5666	0.037
0.1166	0.226	0.5833	0.031
0.125	0.214	0.6	0.031
0.1333	0.201	0.6166	0.037
0.1416	0.195	0.6333	0.031
0.15	0.176	0.65	0.025
0.1583	0.17	0.6666	0.025
0.1666	0.163	0.6833	0.025
0.175	0.151	0.7	0.018
0.1833	0.151	0.7166	0.025
0.1916	0.144	0.7333	0.025
0.2	0.138	0.75	0.025
0.2083	0.132	0.7666	0.018
0.2166	0.126	0.7833	0.018

<u>Time (min)</u>	<u>Displacement (ft)</u>	<u>Time (min)</u>	<u>Displacement (ft)</u>
0.225	0.126	0.8	0.012
0.2333	0.119	0.8166	0.012
0.2416	0.113	0.8333	0.018
0.25	0.107	0.85	0.012
0.2583	0.107	0.8666	0.012
0.2666	0.1	0.8833	0.012
0.275	0.094	0.9	0.006
0.2833	0.1	0.9166	0.006
0.2916	0.094	0.9333	0.006
0.3	0.088	0.95	0.006
0.3083	0.088	0.9666	0.006
0.3166	0.081	0.9833	0.006
0.325	0.081	1.	0.
0.3333	0.075		

SOLUTION

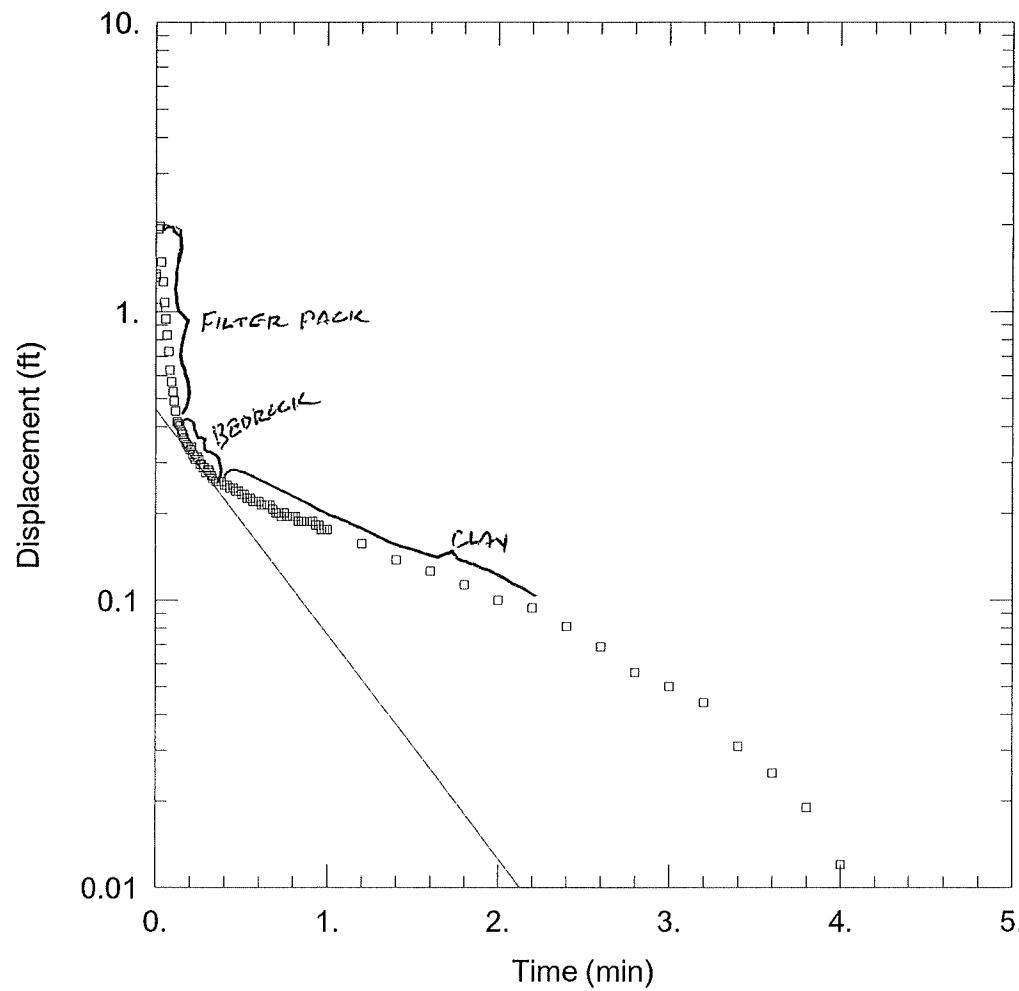
Aquifer Model: Confined

Solution Method: Bouwer-Rice

Shape Factor: 3.2

VISUAL ESTIMATION RESULTS**Estimated Parameters**

Parameter	Estimate	
K	0.002886	cm/sec
y0	0.4086	ft



MW-9 RISING HEAD TEST

Data Set: L:\work\Projects\82060\eng\Slug Test\MW-9-3ris.aqt
 Date: 10/14/05 Time: 10:42:51

PROJECT INFORMATION

Company: Earth Tech Inc.
 Client: WDNR
 Project: 82060
 Location: Chile Wisconsin
 Test Well: MW-9
 Test Date: 6/22/05

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9)

Initial Displacement: 1.35 ft Static Water Column Height: 9.03 ft
 Total Well Penetration Depth: 9.03 ft Screen Length: 10. ft
 Casing Radius: 0.1 ft Wellbore Radius: 0.1 ft

SOLUTION

Aquifer Model: Unconfined

$$K = 0.001385 \text{ cm/sec} = 29.36 \text{ gal/day}/f_r z$$

Solution Method: Bouwer-Rice

$$y_0 = 0.4584 \text{ ft}$$

Data Set: L:\work\Projects\82060\eng\Slug Test\MW-9-3ris.aqt
 Title: MW-9 Rising Head Test
 Date: 10/14/05
 Time: 10:42:57

PROJECT INFORMATION

Company: Earth Tech Inc.
 Client: WDNR
 Project: 82060
 Location: Chile Wisconsin
 Test Date: 6/22/05
 Test Well: MW-9

AQUIFER DATA

Saturated Thickness: 40. ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: : MW-9

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 1.35 ft
 Static Water Column Height: 9.03 ft
 Casing Radius: 0.1 ft
 Wellbore Radius: 0.1 ft
 Well Skin Radius: 0.1 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 9.03 ft

No. of Observations: 98

Observation Data			
Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0	1.315	0.4833	0.239
0.0083	1.032	0.5	0.233
0.0166	1.932	0.5166	0.233
0.025	1.97	0.5333	0.226
0.0333	1.485	0.55	0.226
0.0416	1.271	0.5666	0.22
0.05	1.076	0.5833	0.22
0.0583	0.944	0.6	0.22
0.0666	0.831	0.6166	0.214
0.075	0.73	0.6333	0.214
0.0833	0.629	0.65	0.214
0.0916	0.572	0.6666	0.214
0.1	0.528	0.6833	0.207
0.1083	0.491	0.7	0.201
0.1166	0.453	0.7166	0.201
0.125	0.415	0.7333	0.195
0.1333	0.409	0.75	0.201
0.1416	0.403	0.7666	0.195
0.15	0.384	0.7833	0.195
0.1583	0.377	0.8	0.195
0.1666	0.365	0.8166	0.195
0.175	0.352	0.8333	0.188
0.1833	0.346	0.85	0.188
0.1916	0.34	0.8666	0.188
0.2	0.333	0.8833	0.188
0.2083	0.34	0.9	0.188

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.2166	0.321	0.9166	0.188
0.225	0.314	0.9333	0.182
0.2333	0.308	0.95	0.182
0.2416	0.314	0.9666	0.176
0.25	0.308	0.9833	0.176
0.2583	0.296	1.	0.176
0.2666	0.296	1.2	0.157
0.275	0.289	1.4	0.138
0.2833	0.289	1.6	0.126
0.2916	0.277	1.8	0.113
0.3	0.283	2.	0.1
0.3083	0.283	2.2	0.094
0.3166	0.277	2.4	0.081
0.325	0.27	2.6	0.069
0.3333	0.264	2.8	0.056
0.35	0.258	3.	0.05
0.3666	0.258	3.2	0.044
0.3833	0.258	3.4	0.031
0.4	0.251	3.6	0.025
0.4166	0.251	3.8	0.019
0.4333	0.245	4.	0.012
0.45	0.245	4.2	0.006
0.4666	0.239	4.4	0.

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 Shape Factor: 3.033

VISUAL ESTIMATION RESULTS**Estimated Parameters**

Parameter	Estimate	
K	0.001385	cm/sec
y0	0.4584	ft

WELL CONSTRUCTOR'S REPORT

STATE OF WISCONSIN
DEPARTMENT OF RESOURCE DEVELOPMENT

Well 6

1. COUNTY	CHECK ONE		NAME	
Clark	<input type="checkbox"/> Town	<input checked="" type="checkbox"/> Village	<input type="checkbox"/> City	Chili Town of Forestwood

2. LOCATION (Number and Street or 1/4 section, section, township and range. Also give subdivision name, lot and block numbers when available.)
L1 D1 NW 1/4 NW 1/4 Sec 26 T25N R1 E

3. OWNER AT TIME OF DRILLING

Crown Ranch * KRUEGER WELL I.D. No J6010

4. OWNER'S COMPLETE MAIL ADDRESS

Chili Wis

5. Distance in feet from well to nearest: (Record answer in appropriate block)	BUILDING	SANITARY SEWER		FLOOR DRAIN	FOUNDATION DRAIN		WASTE WATER DRAIN	
	C. I.	TILE	C. I.	TILE	SEWER CONNECTED	INDEPENDENT	C. I.	TILE
	15	30		30		None		

CLEAR WATER DRAIN	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
C. I.	TILE							
	50			55				

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for:

New Home

7. DRILLHOLE						10. FORMATIONS		
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
10	Surface	30				Clay	Surface	18
6	30	37				Sandstone	18	37

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	1948 new Black	Surface	30
	Threaded coupling		

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drill Cuttings	Surface	12
Neat Cement	12	30

Well construction completed on March 9 1968

1. MISCELLANEOUS DATA

ield test: 12 Hrs. at 10 GPM Well is terminated 14 inches above final gradeDepth from surface to normal water level 18 ft. Well disinfected upon completion Yes NoDepth to water level when pumping 19 ft. Well sealed watertight upon completion Yes No

Water sample sent to Madison laboratory on: 3-10 1968

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE

Registered Well Driller

COMPLETE MAIL ADDRESS

Troy Wis

Please do not write in space below

COLIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS
1820				

Well Construction Report

WISCONSIN UNIQUE WELL NUMBER

KO380

Form 3300-77A

(Rev 12/00)

State of WI-Private Water Systems-DG/2

Department Of Natural Resources, Box 7921

Madison, WI 53707

Chili Service

Depth 42

FT

Property DUNBAR, PETE

Owner

Mailing Address MAIN ST

* CHILI SERVICE

Telephone Number 715 - 659 - 4096

City CHILI

County of Well Location 10

CLARK

Co Well Permit No W

Facility ID (Public) 489

Address

Facility ID (Public) 489

Public Well Plan Approval#

Date Of Approval

Specific Capacity gpm/ft

High Capacity: Well? N

Property? N

Reason for replaced or reconstructed Well?

UNHOOKED FROM NEXT DOOR

1. Well Location

V T=Town C=City V=Village

of CHILI

Fire#

Street Address or Road Name and Number

Subdivision Name

Lot#

Block #

Gov't Lot

or NE 1/4 of NE

Section 27 T25 N R1 E

1/4 of

Latitude

Deg. Min.

Longitude

Deg. Min.

Sec. Sec.

2. Well Type

1 1>New

2=Replacement

(See item 12 below)

3=Reconstruction

of previous unique well #

constructed in 0

Lat/Long Method

3. Well Serves # of homes and or INDUSTRY

SOURCE STATION (eg: barn, restaurant, church, school, industry, etc.)

M=Munic O=OTM N=NonCom P=Private Z=Other

X=NonPot A=Anode L=Loop H=Drillhole

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Y

Well located in floodplain? N

Distance in feet from well to nearest: (including proposed)

1. Landfill

2. Building Overhang

3. 1=Septic 2= Holding Tank

4. Sewage Absorption Unit

5. Nonconforming Pit

6. Buried Home Heating Oil Tank

7. Buried Petroleum Tank

8. 1=Shoreline 2= Swimming Pool

9. Downspout/ Yard Hydrant

10. Privy

11. Foundation Drain to Clearwater

12. Foundation Drain to Sewer

13. Building Drain

1=Cast Iron or Plastic 2=Other

14. Building Sewer 1 1=Gravity 2=Pressure

1 1=Cast Iron or Plastic 2=Other

15. Collector Sewer: units in diam.

16. Clearwater Sump

17. Wastewater Sump

18. Paved Animal Barn Pen

19. Animal Yard or Shelter

20. Silo

21. Barn Gutter

22. Manure Pipe 1=Gravity 2=Pressure

1=Cast iron or Plastic 2=Other

23. Other manure Storage

24. Ditch

25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

From To Upper Enlarged Drillhole Lower Open Bedrock

Dia.(in.) (ft) (ft)

-- 1. Rotary - Mud Circulation

X -- 2. Rotary - Air

-- 3. Rotary - Air and Foam

-- 4. Drill-Through Casing Hammer

-- 5. Reverse Rotary

-- 6. Cable-tool Bit in. dia

-- 7. Temp. Outer Casing in. dia. depth ft.

Removed?

Other

Geology Codes

Type, Caving/Noncaving, Color, Hardness, etc

From (ft.) To (ft.)

0 1

TOPSOIL

C CLAY

N SANDSTONE

Jan. 29, 2004 11:37AM WIS DNR

FAX NO. : 17156529355

No. 5157 P. 6

Apr. 02 2000 01:45PM P2

Private Water Systems-DG/2

Department of Natural Resources

Box 7921

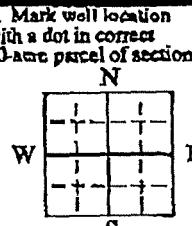
Madison, WI 53707

(Please type or print
using a black pen.)
**Well Construction Report For
WISCONSIN UNIQUE WELL NUMBER**

 Property Owner Howard Geldernick Telephone Number () _____

 Mailing Address Chili Milk Pool Co "sp" * DARI CONCEPTS
 City Chili State _____ Zip Code _____

 County of Well Location Clarkes Co. Well Permit No. W Well Completion Date (mm-dd-yy) _____

 Well Constructor (Business Name) _____ License # _____
 Address _____
 City _____ State _____ Zip Code _____

 4. Well serves _____ # of homes and/or Cheese Factory High Capacity!
 (Eg: barn, restaurant, church, school, industry, etc.)
 Well? Yes No
 Property? Yes No

 5. Is the well located upslope or sideslope and not downslope from any contamination source, including those on neighboring properties? Yes No If no, explain on back side.
 Well located in floodplain? Yes No

Distance in Feet From Well To Nearest (Include proposed)

1. Lined/Unlined To
2. Building Overhang SS
3. Septic or Holding Tank (circle one) 1000
4. Sewage Absorption Unit Field
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. Shoreline/Swimming Pool (circle one)

9. Downspout/Yard Hydrant
10. Privy
11. Foundation Drain to Clearwater
12. Foundation Drain to Sewer
13. Building Drain
14. Building Sewer Gravity Pressure
 Cast Iron or Plastic Other
15. Collector Sewer _____ units _____ in diameter
16. Clearwater Pump

17. Wastewater Sump
18. Paved Animal Barn Pct
19. Animal Yard or Shelter
20. Silo
21. Barn Gutter
22. Manure Pipe Gravity Pressure
 Cast Iron or Plastic Other
23. Other Manure Storage
24. Ditch
25. Other NR 812 Waste Source

6. Drillhole Dimensions

 From 10 To 45
 Dia. (in.) (ft) (ft)
Upper Enlarged Drillhole:
Method of Construction

1. Rotary - Mud Circulation
2. Rotary - Air
3. Rotary - Foam
4. Reverse Rotary
5. Cable-tool Bit _____ in. dia.
6. Temp. Outer Casing _____ in. dia. _____ depth
Removed? Yes No
If no, explain why not
7. Other _____

 DNR
USE
ONLY
Geology
Type, Caving/Noncaving, Color, Hardness, Etc.
 From
(ft)
To
(ft)

 surface 32
Clay
soft sandstone 32 55
granite 55 80

 7. Casing, Liner, Screen
Material, Weight, Specification
Manufacturer & Method of Assembly

 dia. (in.) 6 From surface To 55 (ft)

10. Static Water Level

 ft. above ground surface
27
 ft. below ground surface

12. Well Is:

-
- Above Grade
-
-
- Below Grade
-
-
- Yes
-
- No

11. Pump Test

 Pumping Level 35 ft. below surface
 Pumping at 40 GPM for 6 hours

 13. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property?
 Yes No If no, explain _____

 14. Signature of Point Driver or Licensed Supervisory Driller
R. Ditter Date Signed 10/71
 Signature of Drill Rig Operator (Mandatory unless same as above) Date Signed

 Grout or Other Sealing Material
Method _____

Kind of Sealing Material _____

 From surface To 55 (ft)

Sacks Corner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

CK-78-a

1. County Clark Town
 Village Chili City Check one and give name
2. Location Chili, Wis. T25N, R1E SW, SW, SW, Sec. 23
 Name of street and number or premise or Section, Town and Range numbers
3. Owner or Agent Howard Gildernick (Chili Co-Op Creamery)
 Name of individual, partnership or firm
4. Mail Address Chili, Wis. Dari Concept
 Complete address required
5. From well to nearest: Building 5 ft; sewer ft; drain ft; septic tank 7.5 ft;
 dry well or filter bed ft; abandoned well ft.
6. Well is intended to supply water for: Cheese Factory

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
6	0	35			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std Steel	0	27

9. GROUT:

Kind	From (ft.)	To (ft.)
Cement	0	10
Puddled clay	10	27

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 24 GPM.

Depth from surface to water-level: 17 ft.

Water-level when pumping: 20 ft.

Water sample was sent to the state laboratory at:

Will be sent in before well is used
 on 18 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Yellow clay	0	21
Sand rock	21	35

Construction of the well was completed on:

June 29 1953

The well is terminated 18 inches
 above, below the permanent ground surface.

Was the well disinfected upon completion?

Yes No

Was the well sealed watertight upon completion?

Yes No

Signature Howard Gildernick
 Registered Well Driller

1007 N. Walnut Ave., Marshfield
 Complete Mail Address

Please do not write in space below

Rec'd _____ No. _____

10 ml 10 ml 10 ml 10 ml 10 ml

Ans'd _____

Gas 24 hrs. _____

Interpretation _____

48 hrs. _____

1808

Confirm _____

B. Coli _____

Examiner _____

RECEIVED
 JUL 29 1953
ENVIRONMENTAL SANITATION

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

FEB 7 1980
WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 12-76

FEB 28 1980 JAN 3 1980

1 COUNTY <i>Clark</i>		CHECK (✓) ONE: <input checked="" type="checkbox"/> Town <input type="checkbox"/> Village <input type="checkbox"/> City <i>Fremont</i>		3. NAME <input type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE <i>Leone Clark</i>																																	
2 LOCATION <i>N10-W16 S6 T3N11 R1E</i>		TOWNSHIP <i>35N11</i> RANGE <i>1E</i>		ADDRESS																																	
OR - Grid or Street No.		Street Name		POST OFFICE <i>Chenoa</i>																																	
AND - If available subdivision name, lot & block No.																																					
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building 15'	Sanitary Bldg. Drain	C.I. <input type="checkbox"/> Other <input checked="" type="checkbox"/> C.I. <input type="checkbox"/> Other	Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer																										
Street Sewer		Other Sewers	Foundation Drain Connected to	Sewage Sump	Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit																													
San.	Storm	C.I. <input type="checkbox"/> Other <input type="checkbox"/>	Sewer	Sewage Sump C.I. <input type="checkbox"/> Other				Seepage Pit																													
10030			Clearwater Dr.	Clearwater Sump				Seepage Bed																													
								Seepage Trench																													
Pet Waste Pit		Pit: Nonconforming Existing	Subsurface Pumproom		Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit																										
		Well	Nonconforming Existing																																		
		Pump																																			
		Tank																																			
Temporary Manure Stack		Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)																															
						<i>*TOWN OF FREMONT - BALL FIELD</i>																															
5. Well is intended to supply water for: <i>Small Ball Park</i>																																					
9. FORMATIONS																																					
<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Kind</th> <th>From (ft.)</th> <th>To (ft.)</th> </tr> </thead> <tbody> <tr> <td colspan="2"></td> <td colspan="2"><i>Clay</i></td> <td></td> <td><i>18</i></td> </tr> <tr> <td colspan="2"></td> <td colspan="2"><i>Land</i></td> <td><i>18</i></td> <td><i>32</i></td> </tr> <tr> <td colspan="2"></td> <td colspan="2"><i>Sandstone</i></td> <td><i>32</i></td> <td><i>47</i></td> </tr> </tbody> </table>																Kind		From (ft.)	To (ft.)			<i>Clay</i>			<i>18</i>			<i>Land</i>		<i>18</i>	<i>32</i>			<i>Sandstone</i>		<i>32</i>	<i>47</i>
		Kind		From (ft.)	To (ft.)																																
		<i>Clay</i>			<i>18</i>																																
		<i>Land</i>		<i>18</i>	<i>32</i>																																
		<i>Sandstone</i>		<i>32</i>	<i>47</i>																																
6. DRILLHOLE																																					
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)																																
10	Surface	<i>30</i>																																			
6	<i>20</i>	<i>47</i>																																			
7. CASING, LINER, CURBING AND SCREEN																																					
Material, Weight, Specification & Method of Assembly																																					
Dia. (in.)	From (ft.)	To (ft.)																																			
6	<i>18.97 to near surface</i>	<i>32</i>																																			
<i>ASTM-A 53 cold drawn</i>																																					
<i>Sandstone</i>																																					
8. GROUT OR OTHER SEALING MATERIAL																																					
Kind	From (ft.)	To (ft.)																																			
<i>Portland cement</i>	<i>Surface</i>	<i>20</i>																																			
10. TYPE OF DRILLING MACHINE USED																																					
<table border="1"> <thead> <tr> <th>Cable Tool</th> <th>Rotary-hammer w/drilling mud & air</th> <th>Jetting with Air</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Rotary-hammer & air</td> </tr> <tr> <td colspan="3">Rotary-w/drilling mud</td> </tr> <tr> <td colspan="3">Reverse Rotary</td> </tr> </tbody> </table>														Cable Tool	Rotary-hammer w/drilling mud & air	Jetting with Air	<input type="checkbox"/>	Rotary-hammer & air			Rotary-w/drilling mud			Reverse Rotary													
Cable Tool	Rotary-hammer w/drilling mud & air	Jetting with Air																																			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																			
Rotary-hammer & air																																					
Rotary-w/drilling mud																																					
Reverse Rotary																																					
Well construction completed on <i>June 13 1978</i>																																					
Well is terminated <i>18</i> inches above final grade																																					
Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																					
Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																					
Water sample sent to <i>Madison</i> laboratory on <i>June 15 1978</i>																																					
our opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.																																					
Signature <i>Ray Ditter</i>							Complete Mail Address <i>Ray Ditter</i>																														
Registered Well Driller																																					

Well Construction Report

WISCONSIN UNIQUE WELL NUMBER

KO379

Form 3300-77A
(Rev 12/00)

Property ROEHL, RAYMOND

Telephone
Number 715 - 683 - 2589

Depth 42 FT

Owner

Mailing Address 215 MAIN ST

State of WI-Private Water Systems-DG/2

Department Of Natural Resources, Box 7921

Madison, WI 53707

City CHILI

State WI

Zip Code

54420

County of Well Location

Co Well Permit No

Well Completion Date

10 CLARK

W

Well Constructor
SYLVESTER R HAUPT

License # 489

Facility ID (Public)

Address

**Source: WELL CONSTRUCTION REPORT
WISCONSIN UNIQUE WELL NUMBER**

MD644

Property Owner **ROEHL, RAYMOND**

Telephone Number **715-683-2589**

Mailing Address **N5688 CTY HWY Y**

City **CHILI**

State **WI**

Zip Code

54420

County of Well Location **10 CLARK**

Co Well Permit No **W**

Well Completion Date
November 3, 1998

Form 3300-77A

(Rev 02/02)bw

State of WI-Private Water Systems-DG/2
Department Of Natural Resources, Box 7921
Madison, WI 53707 1

Depth 50 FT

1. Well Location

T=Town C=City V=Village
T of FREMONT

Fire#

Street Address or Road Name and Number

WEST OF FREMONT TOWN HALL/GARAGE

Subdivision Name _____ Lot# _____ Block # _____

Gov't Lot or **NE 1/4 of NE 1/4 of Section 27 T 25 N;R 1 E**

Latitude Deg. Min. Sec.
Longitude Deg. Min. Sec.

2. Well Type **1** (See item 12 below)

1=New 2=Replacement 3=Reconstruction

of previous unique well # _____ constructed in _____

Lat/Long Method

Reason for replaced or reconstructed Well?

NEW HOME

1 1=Drilled 2=Driven Point 3=Jetted 4=Other

3. Well Serves # of homes and or **HOME**

P (eg: barn, restaurant, church, school, industry, etc.)

High Capacity:

Well? N

Property? N

M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Y

Well located in floodplain? N

Distance in feet from well to nearest: (including proposed)

9. Downspout/ Yard Hydrant

10. Privy

11. Foundation Drain to Clearwater

12. Foundation Drain to Sewer

13. Building Drain

1=Cast Iron or Plastic 2=Other

14. Building Sewer 1=Gravity 2=Pressure

1=Cast iron or Plastic 2=Other

15. Collector Sewer: _____ units _____ in. diam.

16. Clearwater Sump

17. Wastewater Sump

18. Paved Animal Barn Pen

19. Animal Yard or Shelter

20. Silo

21. Barn Gutter

22. Manure Pipe 1=Gravity 2=Pressure

1=Cast iron or Plastic 2=Other

23. Other manure Storage

24. Ditch

25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia.(in.)	From (ft.)	To (ft.)	Upper Enlarged Drillhole	Lower Open Bedrock
			-- 1. Rotary - Mud Circulation -----	
8.0	surface	40	X -- 2. Rotary - Air -----	
			-- 3. Rotary - Air and Foam -----	
			-- 4. Drill-Through Casing Hammer	
			-- 5. Reverse Rotary	
			-- 6. Cable-tool Bit in. dia -----	
			X -- 7. Temp. Outer Casing 8 in. dia. depth ft. Removed? X	
			Other	

6. Casing Liner Screen Material, Weight, Specification

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6.0	ASTM A53B 280 WALL WELDED US SAWHILL	surface	40
	Screen type, material & slot size	From	To

Geology Codes

8. Geology
Type, Caving/Noncaving, Color, Hardness, etc

From (ft.) To (ft.)

L TOPSOIL

0 1

C CLAY

1 13

N SANDSTONE

13 50

9. Static Water Level

28.0 feet B ground surface
A=Above B=Below

11. Well Is: 18 in. A Grade

A=Above

B=Below

Developed? Y

Disinfected? Y

Above

Capped? Y

B=Below

10. Pump Test

Pumping level 45.0 ft. below surface

Pumping at 12.0 GP M 1.0 Hrs

Initials of Well Constructor or Supervisory Driller SH Date Signed

12/2/98

7. Grout or Other Sealing Material

Method	PRESSURE TREMI	From (ft.)	To (ft.)	Sacks Cement	#
	Kind of Sealing Material				
	NEAT CEMENT	surface	40.0	6 S	

Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed

TP

Additional Comments? Variance Issued?

Owner Sent Label? Y More Geology?

**Source: WELL CONSTRUCTION REPORT
WISCONSIN UNIQUE WELL NUMBER**

ID939

State of WI-Private Water Systems-DG/2
Department Of Natural Resources, Box 7921
Madison, WI 53707 1

Form 3300-77A
(Rev 02/02)bw

Property Owner	Telephone Number		
LEE, ADELINE R	715-683-2691		
Mailing Address	HWY Y N5738 POB 26 * LIKELY COLLINS RESIDENCE		
City	State	Zip Code	
CHILI	WI	54420	
County of Well Location	Co Well Permit No	Well Completion Date	
10 CLARK	W	June 21, 1995	

Well Constructor	License #	Facility ID (Public)
KLINE WELL @ PUMP INC	6010	

Address	Public Well Plan Approval#
PO BOX 176	

City	State	Zip Code	Date Of Approval
LOYAL	WI	54446	

Hicap Permanent Well #	Common Well #	Specific Capacity gpm/ft
------------------------	---------------	-----------------------------

3. Well Serves	# of homes and or P (eg: barn, restaurant, church, school, industry, etc.)	High Capacity: Well? N Property? N
----------------	---	--

M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Y

Well located in floodplain? N

Distance in feet from well to nearest: (including proposed)

1. Landfill

15 2. Building Overhang

3. 1=Septic 2= Holding Tank

4. Sewage Absorption Unit

5. Nonconforming Pit

6. Buried Home Heating Oil Tank

7. Buried Petroleum Tank

8. 1=Shoreline 2= Swimming Pool

9. Downspout/ Yard Hydrant

10. Privy

11. Foundation Drain to Clearwater

12. Foundation Drain to Sewer

13. Building Drain

1=Cast Iron or Plastic 2=Other

30 14. Building Sewer 1 1=Gravity 2=Pressure

1 1=Cast Iron or Plastic 2=Other

60 15. Collector Sewer: ___ units ___ in . diam.

16. Clearwater Sump

17. Wastewater Sump

18. Paved Animal Barn Pen

19. Animal Yard or Shelter

20. Silo

21. Barn Gutter

22. Manure Pipe 1=Gravity 2=Pressure
1=Cast iron or Plastic 2=Other

23. Other manure Storage

24. Ditch

25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method			Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
From Dia.(in.)	To (ft)	Upper Enlarged Drillhole				
10.	surface 20	-- 1. Rotary - Mud Circulation				
X		-- 2. Rotary - Air			0	11
		-- 3. Rotary - Air and Foam				
		-- 4. Drill-Through Casing Hammer			11	29
		-- 5. Reverse Rotary				
		-- 6. Cable-tool Bit in. dia			29	41.5
		X -- 7. Temp. Outer Casing 10 in. dia. depth ft.				
		Removed ? X				
		Other				

6. Casing Liner Screen Material, Weight, Specification	From (ft.)	To (ft.)	
Dia. (in.)	Manufacturer & Method of Assembly		
6.0	1897 LB NEW STEEL ASTMA53B WELDED SAWHILL	surface	42
0.0		42	9999

7. Grout or Other Sealing Material	From	To	#
Method	(ft.)	(ft.)	Sacks Cement
Kind of Sealing Material			
DRILL SLURRY	surface	20.0	

9. Static Water Level 18.0 feet B ground surface A=Above B=Below	11. Well Is: 14 in. A Grade Developed? Y A=Above B=Below
10. Pump Test Pumping level 25.0 ft. below surface Pumping at 20.0 GPM 1.0 Hrs	Disinfected? Y Capped? Y
12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? N If no, explain	SOMEONE ELSE DID
13. Initials of Well Constructor or Supervisory Driller	Date Signed DK 7/18/95
Initials of Drill Rig Operator (Mandatory unless same as above)	Date Signed DZ 7/18/95

Additional Comments? Variance Issued?

Owner Sent Label? Y More Geology?

SOURCE: WELL CONSTRUCTION REPORT WISCONSIN UNIQUE WELL NUMBER

NM483

**State of Wi-Private Water Systems-DG/2
Department Of Natural Resources, Box 7921
Madison, WI 53707 1**

Form 3300-77A
(Rev 02/02)bw

Property Owner HAPPE, DAVID			Telephone Number 715-683-2628		Depth 37 FT		
Mailing Address N5743 MAPLE RD			* WAGNER RESIDENCE		T=Town C=City V=Village V of CHILI		
City CHILI		State WI	Zip Code 54420	Fire# N5743			
County of Well Location 10 CLARK		Co Well Permit No W		Well Completion Date January 28, 2000		Street Address or Road Name and Number N5743 MAPLE	
Well Constructor HAUPT WELL & PUMP CO INC			License # 529	Facility ID (Public)		Gov't Lot OR SE 1/4 of SE 1/4 of Section 22 T 25 N;R 1 E	
Address 5508 MAIN ST			Public Well Plan Approval#		Latitude Deg. Longitude Deg.	Min. Min.	Sec. Sec.
City AUBURNDALE		State WI	Zip Code 54412	Date Of Approval		2. Well Type 2 (See item 12 below) Lat/Long Method	
Hicap Permanent Well #			Common Well #		Specific Capacity gpm/ft		1=New 2=Replacement 3=Reconstruction of previous unique well # _____ constructed in _____
3. Well Serves # of homes and or HOME P (eg: barn, restaurant, church, school, industry, etc.)				High Capacity: Well? N	Reason for replaced or reconstructed Well? BASEMENT WELL		
M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole				Property? N	1=Drilled 2=Driven Point 3=Jetted 4=Other		
4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Y							
Well located in floodplain? N Distance in feet from well to nearest: (including proposed)							
1. Landfill 24 2. Building Overhang 3. 1=Septic 2= Holding Tank 4. Sewage Absorption Unit 5. Nonconforming Pit 6. Buried Home Heating Oil Tank 7. Buried Petroleum Tank 8. 1=Shoreline 2= Swimming Pool							
9. Downspout/ Yard Hydrant 10. Privy 11. Foundation Drain to Clearwater 12. Foundation Drain to Sewer 13. Building Drain 1=Cast Iron or Plastic 2=Other 58 14. Building Sewer 2 1=Gravity 2=Pressure 2 1=Cast Iron or Plastic 2=Other 68 15. Collector Sewer: _____ units _____ in. diam. 16. Clearwater Sump 17. Wastewater Sump 18. Paved Animal Barn Pen 19. Animal Yard or Shelter 20. Silo 21. Barn Gutter 22. Manure Pipe 1=Gravity 2=Pressure 1=Cast iron or Plastic 2=Other 23. Other manure Storage 24. Ditch 25. Other NR 812 Waste Source							
5. Drillhole Dimensions and Construction Method							
From To Upper Enlarged Drillhole Dia.(in.) (ft) (ft)							
Lower Open Bedrock							
Geology Codes 8. Geology Type, Caving/Noncaving, Color, Hardness, etc From To (ft.) (ft.)							
C. CLAY 0 16							
CN CLAY & SANDSTONE LAYERS 16 22							
N. SANDSTONE 22 30							
CN CLAY LAYERS IN SANDSTONE 30 34							
N. SANDSTONE 34 37							
6. Casing Liner Screen Material, Weight, Specification Dia. (in.) Manufacturer & Method of Assembly From To (ft.) (ft.)							
6.0 STEEL 18.97 A53 SAWHILL P.E. WELDED surface 30							
9. Static Water Level 10.0 feet B ground surface A=Above B=Below							
11. Well Is: 18 in. A Grade A=Above B=Below							
Developed? Y Disinfected? Y Capped? Y							
10. Pump Test Pumping level 37.0 ft. below surface Pumping at 6.0 GP M 1.0 Hrs							
12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? Y If no, explain							
13. Initials of Well Constructor or Supervisory Driller Date Signed DH 6/1/00							
Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed GH 6/1/00							

Additional Comments?

Variance Issued?

Owner Sent Label?

More Questions?

**Source: WELL CONSTRUCTION REPORT
WISCONSIN UNIQUE WELL NUMBER**

LI842

State of WI-Private Water Systems-DG/2
Department Of Natural Resources, Box 7921
Madison, WI 53707

Form 3300-77A
(Rev 02/02)bw

Property Owner REED, TYRONE	Telephone Number 715-683-2415	
Mailing Address N5735 N MAPLE		
City CHILI	State WI	Zip Code 54420
County of Well Location 10 CLARK	Co Well Permit No W	Well Completion Date November 17, 1996

Depth 55 FT

1. Well Location

T=Town C=City V=Village
T of FREMONT

Fire#

Street Address or Road Name and Number

Subdivision Name	Lot#	Block #
------------------	------	---------

Gov't Lot or **SE 1/4 of SE 1/4 of Section 22 T 25 N;R 1 E**

Latitude	Deg.	Min.	Sec.
Longitude	Deg.	Min.	Sec.

2. Well Type 2 (See item 12 below)

1=New 2=Replacement 3=Reconstruction

of previous unique well # _____ constructed in **0**

Lat/Long Method

Well Constructor BRIAN HEEG	License # 355	Facility ID (Public)
Address 5069 E CTY F	Public Well Plan Approval#	
City AUBURNDALE	State WI	Zip Code 54412
Hicap Permanent Well #	Common Well #	Specific Capacity gpm/ft
3. Well Serves P (eg: barn, restaurant, church, school, industry, etc.)	High Capacity: Well? N	Property? N

M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties?

Well located in floodplain? **N**

Distance in feet from well to nearest: (including proposed)

- 1. Landfill
- 20** 2. Building Overhang
- 3. 1=Septic 2= Holding Tank
- 4. Sewage Absorption Unit
- 5. Nonconforming Pit
- 6. Buried Home Heating Oil Tank
- 7. Buried Petroleum Tank
- 8. 1=Shoreline 2= Swimming Pool

9. Downspout/ Yard Hydrant

10. Privy

11. Foundation Drain to Clearwater

12. Foundation Drain to Sewer

13. Building Drain
1=Cast Iron or Plastic 2=Other

50 14. Building Sewer 1 1=Gravity 2=Pressure

1 1=Cast Iron or Plastic 2=Other

15. Collector Sewer: _____ units _____ in. diam.

16. Clearwater Sump

17. Wastewater Sump

18. Paved Animal Barn Pen

19. Animal Yard or Shelter

20. Silo

21. Barn Gutter

22. Manure Pipe 1=Gravity 2=Pressure
1=Cast iron or Plastic 2=Other

23. Other manure Storage

24. Ditch

25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method		
From Dia.(in.)	To (ft.)	Upper Enlarged Drillhole -- 1. Rotary - Mud Circulation -----
8.0	surface	40
X	2. Rotary - Air -----	
	3. Rotary - Air and Foam -----	
	4. Drill-Through Casing Hammer	
	5. Reverse Rotary	
	6. Cable-tool Bit in. dia -----	
X	7. Temp. Outer Casing 8 in. dia. depth ft. Removed? X	
	Other	

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
C CLAY		0	20
XNC SANDSTONE @ CLAY LAYERS		20	40
N SANDSTONE		40	55

6. Casing Liner Screen Material, Weight, Specification	From (ft.)	To (ft.)
Dia. (in.)	Manufacturer & Method of Assembly	

9. Static Water Level 10.0 feet B ground surface A=Above B=Below	11. Well Is: 12 in. A Grade A=Above Developed? Y
10. Pump Test Pumping level 50.0 ft. below surface Pumping at 10.0 GPM 1.0 Hrs	Disinfected? Y Capped? Y

6.0	ST STEEL ASTMA53 SAWHILL USA WELDED JOINT	surface	40
Dia.(in.)	Screen type, material & slot size	From	To

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? Y	13. Initials of Well Constructor or Supervisory Driller	Date Signed
		BH 11/24/96
Initials of Drill Rig Operator (Mandatory unless same as above)		Date Signed

Additonal Comments? Variance Issued?

Owner Sent Label? **Y** More Geology?

WELL CONSTRUCTOR'S REPORT

Well-6

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

MAY 20 1971

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY

Clark

CHECK ONE

NAME

 Town Village City Grumet

2. LOCATION (Number and Street or 1/4 section, section, township and range. Also give subdivision name, lot and block numbers when available.)

NE 1/4 NE 1/4 Sec 27, T25N, R21E unincorporated village of Chenoa

3. OWNER AT TIME OF DRILLING

Homer Ross * TAVERN ON CHENOA RD - WEST OF CO-OP

4. OWNER'S COMPLETE MAIL ADDRESS

Chenoa, WI

5. Distance in feet from well to nearest:	BUILDING	SANITARY SEWER	FLOOR DRAIN	FOUNDATION DRAIN	WASTE WATER DRAIN		
	C. I.	TILE	C. I.	TILE	SEWER CONNECTED INDEPENDENT	C. I.	TILE
(Record answer in appropriate block)	7	25	25				

CLEAR WATER DRAIN	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
C. I.	TILE							

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

City sewer 35

6. Well is intended to supply water for:

Homer's Tavern

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
10	Surface	33					Surface	18
6	33	40					18	40

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
6	1918 ft. max welded	Surface	33			

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)	
Drill cutting	Surface	3	
Neat cement	3	33	

Well construction completed on 5-17 1971

11. MISCELLANEOUS DATA

Yield test:	10 Hrs. at	10 GPM	Well is terminated	70 inches	<input checked="" type="checkbox"/> above <input type="checkbox"/> below	final grade
Depth from surface to normal water level	12	ft.	Well disinfected upon completion		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Depth to water level when pumping	14	ft.	Well sealed watertight upon completion		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Water sample sent to Madison

laboratory on: 5-17 1971

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE

Ray D. Otto

Registered Well Driller

COMPLETE MAIL ADDRESS

Ray D. Otto

Please do not write in space below

COLIFORM TEST RESULT

GAS - 24 HRS.

GAS - 48 HRS.

CONFIRMED

REMARKS

K 1833

REV. 11-66

CONTRACTOR'S REPORT
FORM 3300-15

SEP 20 1974
STATE OF WISCONSIN
MENT OF NATURAL RESOURCE
Box 450
Madison, Wisconsin 53701

**WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY**

1. COUNTY <i>Clark</i>		CHECK ONE			NAME				
		<input checked="" type="checkbox"/> Town	<input type="checkbox"/> Village	<input type="checkbox"/> City	<i>Grenonk</i>				
2. LOCATION OR SE, SE? <i>NE, SE</i>		1/4 Section ✓ <i>23</i>	Section <i>25N</i>	Township <i>1E</i>	3. OWNER AT TIME OF DRILLING <i>Paul Stukert</i>				
OR - Grid or street no.		Street name			ADDRESS <i>R/1</i>				
ND - If available subdivision name, lot & block no. <i>* FARM NORTH OF EVANGELICAL CHURCH</i>					POST OFFICE <i>Chile</i>				
4. Distance in feet from well to nearest:		BUILDING C. I.	SANITARY TILE	SEWER C. I.	FLOOR TILE	DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WATER DRAIN TILE
(Record answer in appropriate block)		<i>8</i>	<i>35</i>			<i>None</i>			
CLEAR WATER DRAIN C. I.		SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
<i>City Sewer 35 ft</i>						<i>130</i>	<i>150</i>		

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

Well is intended to supply water for:

Farms

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
18	Surface	41				<i>Clay and sand mapped</i>	Surface	42
6	41	70				<i>Sandstone</i>	42	70

1. CASING, LINER, CURBING, AND SCREEN

GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)	<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Direct Rotary	<input type="checkbox"/> Reverse Rotary
Dull cutting	Surface	41	<input checked="" type="checkbox"/> Rotary - air w/drilling mud	<input checked="" type="checkbox"/> Rotary - hammer with drilling mud & air	<input type="checkbox"/> Jetting with <input type="checkbox"/> Air <input type="checkbox"/> Water

11 MISCELLANEOUS DATA

Well test:	2	Hrs. at	10	GPM	Well is terminated	12	inches	<input type="checkbox"/>	below	final grade
Depth from surface to normal water level	35	ft.			Well disinfected upon completion	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	
Depth to water level when pumping	37	ft.			Well sealed watertight upon completion	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	

Water sample sent to *M. J. D. S.*

laboratory on: Aug 28 1974

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE

COMPLETE MAIL ADDRESS

Registered Well Driller

~~Please do not write in space below~~

LIFORM TEST RESULT 1799	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS
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CALCULATION SHEET

PAGE 1 OF 1

PROJECT NO. 82060

Prepared By PJE Date 11/9/05

Reviewed By CB Date 11/14/05

Approved By _____ Date _____

CLIENT DNR - CHILI SUBJECT _____
PROJECT CONTAMINANT INVESTIGATION

HYDROGEOLOGIC CALCULATIONS

VERTICAL HYDRAULIC GRADIENTS - MW-7/PZ-7

HYDRAULIC GRADIENT = $\frac{\text{CHANGE IN HEAD } (\Delta h)}{\text{CHANGE IN LENGTH } (\Delta L)}$ → MEASURED FROM THE WATER TABLE TO THE CENTER OF PZ-7 SCREEN

- PZ-7 TOC ELEVATION = 1,233.59 ft

DEPTH TO CENTER OF SCREEN = 43.5 ft
ELEVATION H OF CENTER OF SCREEN 1,190.09

WL ELEVATIONS
6/21/05 MW-7 - 1,223.74 ft
 PZ-7 - 1,220.05 ft
 CHANGE IN HEAD(Δh) 3.69 ft

* VERTICAL HYDRAULIC GRADIENT

$$6/21/05 = \frac{\Delta h}{\Delta L} = \frac{3.69 \text{ ft}}{(1,223.74 - 1,190.09 \text{ ft})} = \boxed{0.1096 \text{ ft/ft}}$$

* VERTICAL HYDRAULIC GRADIENT

7/21/05 MW-7 1,222.32 ft
PZ-7 -1,219.78 ft

$$\Delta h = 2.54 \text{ ft}$$

$$= \frac{\Delta h}{\Delta L} = \frac{2.54 \text{ ft}}{(1,222.32 - 1,190.09 \text{ ft})} = \boxed{0.0788 \text{ ft/ft}}$$

CALCULATION SHEET

PAGE 1 OF 1PROJECT NO. 82060Prepared By RTE Date 11/9/05Reviewed By CP Date 11/14/05

Approved By _____ Date _____

CLIENT DNR - CHI SUBJECT _____
PROJECT CONTAMINANT INVESTIGATIONHYDROGEOLOGIC CALCULATIONSHYDRAULIC CONDUCTIVITY (K) CONVERSION

$$1 \text{ cm/sec} = 21,200 \text{ GPD/ft}^2$$

(From, "Applied Hydrogeology", Fetter, C.W., Third Ed.)

$$* \text{ MW-3 } 2.883 \times 10^{-3} \text{ cm/sec} \times 21,200 \text{ GPD/ft}^2 = \boxed{61.119 = 61.12 \text{ GPD/ft}^2}$$

$$* \text{ MW-9 } 1.385 \times 10^{-3} \text{ cm/sec} \times 21,200 \text{ GPD/ft}^2 = \boxed{29.362 = 29.36 \text{ GPD/ft}^2}$$

CALCULATION SHEET

PAGE 1 OF 5

PROJECT NO. 82060

Prepared By PJE Date 9/29/05

Reviewed By LB Date 11/14/05

Approved By _____ Date _____

CLIENT WDNR - CHICAGO SUBJECT _____
PROJECT CONTAMINANT INVESTIGATION

HYDROGEOLOGIC CALCULATIONS:

SPECIFIC CAPACITY -
(FETTER, C.W., 1994; p 256)

$$S_{cap} = \frac{\text{PUMPING RATE (GPM)}}{\text{DRAWDOWN (FT)}} = \frac{Q (\text{GPM})}{h_0 - h}$$

* ASSUME STEADY STATE

TRANSMISSIVITY -

(RAECKER AND HUNTER, 1991
IN FETTER, C.W., 1994; p 257)

$$T = 33.6 \left(\frac{Q}{h_0 - h} \right)^{0.67} = 33.6 (S_{cap})^{0.67}$$

T = TRANSMISSIVITY (ft^2/day)
Q = PUMPING RATE (ft^3/day)
 $h_0 - h$ = DRAWDOWN (ft)

HYDRAULIC CONDUCTIVITY -

$$K = T/b$$

K = HYDRAULIC CONDUCTIVITY (ft/day)

T = TRANSMISSIVITY (ft^2/day)

b = AQUIFER (WATER BEARING) THICKNESS (ft)
* ASSUME 40'

$$R_e = 1.23 R$$

WHERE

$$R^2 = \frac{b' b K}{K'}$$

R = LEAKAGE FACTOR

b' = THICKNESS OF SEMI-PERMEABLE UNIT (ft)
* ASSUME 10'

b = WATER BEARING UNIT THICKNESS (ft)

K' = HYDRAULIC CONDUCTIVITY OF SEMI-PERMEABLE UNIT

* ASSUME 1.634 ft/day BASED ON NEARBY STUDIES

K = HYDRAULIC CONDUCTIVITY OF WATER BEARING UNIT (ft/day)

EARTH TECH
A **tyco** INTERNATIONAL LTD. COMPANY

CALCULATION SHEET

PAGE 2 OF 5PROJECT NO. 82060Prepared By PTE Date 10/7/05Reviewed By CB Date 11/14/05

Approved By _____ Date _____

CLIENT WDNR-Civil SUBJECT _____
PROJECT CONTAMINANT INVESTIGATIONKRUEGER WELL CALCULATIONS *ASSUME - STEADY STATE, ISOTROPIC, HOMOGENEOUS CONDITION

$$S_{cap} = \frac{10 \text{ GPM}}{1.0 \text{ FT}} = 10 \text{ GPM/FT}$$

* WATER BEARING AQUIFER THICKNESS = 40 FT

$$Q = 10 \text{ GPM} = 1925 \text{ FT}^3/\text{DAY}$$

$$\bar{T} = 33.6 \left(\frac{1925 \text{ FT}^3/\text{DAY}}{1.0 \text{ FT}} \right)^{0.67}$$

$$T = 5332 \text{ FT}^2/\text{DAY}$$

$$K = \frac{5332 \text{ FT}^2/\text{DAY}}{40 \text{ FT}} = 133.3 \text{ FT/DAY}$$

$$Re = 1.23 \lambda$$

$$\lambda^2 = \frac{10 \text{ FT} \times 40 \text{ FT} \times 133.3 \text{ FT/DAY}}{1.134 \text{ FT}^2/\text{DAY}} = \frac{53320 \text{ FT}^2/\text{DAY}}{1.134 \text{ FT}^2/\text{DAY}} = 47019 \text{ FT}^2$$

$$\lambda = 216.8 \text{ FT.}$$

$$Re = 1.23 \times 216.8 = 267 \text{ FT}$$

CALCULATION SHEET

PAGE 3 OF 5

PROJECT NO. 82060

CLIENT WDNR - CHILI SUBJECT _____
 PROJECT CONTAMINANT INVESTIGATION

Prepared By PJE Date 10/7/05
 Reviewed By CB Date 11/14/05
 Approved By _____ Date _____

CHILI SERVICE WELL CALCULATIONS * ASSUME - STEADY STATE, ISOTROPIC, HOMOGENEOUS CONDITIONS

* WATER BEARING AQUIFER THICKNESS = 40 FT

$$S_{cap} = \frac{15 \text{ GPM}}{13 \text{ FT}} = 1.15 \text{ GPM/FT} \quad Q = 15 \text{ GPM} = 2888 \text{ FT}^3/\text{DAY}$$

$$T = 33.6 \left(\frac{2888 \text{ FT}^3/\text{DAY}}{13 \text{ FT}} \right)^{0.67}$$

$$T = 1255 \text{ FT}^3/\text{DAY}$$

$$K = \frac{1255 \text{ FT}^3/\text{DAY}}{40 \text{ FT}} = 31.4 \text{ FT}/\text{DAY}$$

$$Re = 1.23 \lambda$$

$$\lambda^2 = \frac{10 \text{ FT} \times 40 \text{ FT} + 31.4 \text{ FT}/\text{DAY}}{1.134 \text{ FT}/\text{DAY}} = \frac{12560 \text{ FT}^2/\text{DAY}}{1.134 \text{ FT}/\text{DAY}} = 11,075 \text{ FT}^2$$

$$\lambda = 105 \text{ FT.}$$

$$R_p = 1.23 \times 105 \text{ FT} = 129 \text{ FT}$$

CALCULATION SHEET

PAGE 4 OF 5

PROJECT NO. 82060

CLIENT INDNR - CHILI SUBJECT _____
 PROJECT CONTAMINANT INVESTIGATION

Prepared By AJE Date 10/7/05
 Reviewed By pb Date 11/14/05
 Approved By _____ Date _____

CHEESE FACTORY - 1971 WELL CALCULATIONS * ASSUME - STEADY STATE, ISOTROPIC, HOMOGENEOUS CONDITIONS
 * WATER BEARING AQUIFER THICKNESS

$$S_{C,pp} = \frac{40 \text{ GPM}}{8 \text{ ft}} = 5 \text{ GPM/ft} \quad Q = 7700 \text{ ft}^3/\text{day}$$

$$T = 33.6 \left(\frac{7700 \text{ ft}^3/\text{day}}{8 \text{ ft}} \right)^{0.67}$$

$$T = 335 \text{ ft}^3/\text{day}$$

$$K = \frac{335 \text{ ft}^3/\text{day}}{40 \text{ ft}} = 8.37 \text{ ft/day}$$

$$R_e = 1.23 \lambda$$

$$\lambda^2 = \frac{10 \text{ ft} \times 40 \text{ ft} \times 83.7 \text{ ft/day}}{1.134 \text{ ft/day}} = \frac{33,480 \text{ ft}^3/\text{day}}{1.134 \text{ ft/day}} = 29,524 \text{ ft}^2$$

$$\lambda = 171 \text{ ft.}$$

$$R_e = 1.23 \times 171 \text{ ft} = 210 \text{ ft}$$

CALCULATION SHEET

PAGE 5 OF 5

PROJECT NO. 82260

Prepared By PJE Date 10/7/05

Reviewed By SB Date 11/14/05

Approved By _____ Date _____

CLIENT WONR- Chile SUBJECT _____

PROJECT CONTAMINANT INVESTIGATION

Re vs. Scap Graph

