Wisconsin Rapids 715-424-3131 Stevens Point 715-344-0068 FAX 715-423-8774

email lampert@wctc.net

10968 Highway 54 East • Wisconsin Rapids, WI 54494-8718

MR MIKE MACDONALD DEPARTMENT OF NATURAL RESOURCES 5301 RIB MOUNTAIN DRIVE WAUSAU WI 54401 RECEIVED January 11, 1999
LLA# 98-033
WAUSAU DIVR 03-50-001258

RE: Former UST Site - Spiritland Store, Almond, Wisconsin

Dear Mr. MacDonald:

As you requested, enclosed is the site investigation report for the Spiritland Store underground storage tank site. We are beginning monitoring for natural attenuation at the site.

If you have any questions, please feel free to call.

Sincerely,

**LAMPERT - LEE & ASSOCIATES** 

Jim Lindemann

Hydrogeologist

Janet Snedeker

**Project Manager** 

Ganet Snedeler

JL/JS/dd

Enclosure

cc: Mr. Robert McDonald, McDonald Law Office, P.O. Box 630, Stevens Point, WI 54481

CLIENT:

MR ROBERT E. MCDONALD

MCDONALD LAW OFFICE

FOR THE SZCZESNY ESTATE

1059 CLARK STREET

STEVENS POINT WI 54481

PROJECT:

SPIRITLAND STORE UST

CTH D & CTH BB

ALMOND WI

SITE INVESTIGATION REPORT

LLA JOB NO.: 98-033

BRRTS: 03-50-0001258

DATE: December 1998



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- D. PID Logs
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- F. Laboratory results groundwater samples
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#### 2.3 Geology

The Spiritland Store site is located in the Town of Almond in the south central portion of Portage County. The soil mapped for this area is Richford loamy sand. The Richford loamy sand is a well drained soil with the permeability rated as moderately rapid. This soil is generally 30 to 50 inches deep and occurs over sand and gravel. During the soil investigation, soil boring samples were classified visually to determine the geology of the area. From this data geologic cross sections parallel and perpendicular to groundwater flow were constructed. A silty sand material is present from the surface to a depth of four to eight feet. Within the material there is a large amount of gravel and some cobbles. At greater depths the soil becomes coarser and the amount of gravel and cobbles decreases.

#### 2.4 Hydrogeology

Groundwater levels were found to be approximately twenty-three feet below the land surface. Groundwater flow direction was determined to be northwest. The site is located a short distance west of the groundwater divide running north and south through Portage County. The water-bearing unit at the site is a glacial till aquifer consisting of poorly sorted sand and gravel.

#### 3.0 Potential Receptors

There is one private potable well located approximately 800 feet northwest of the former underground storage tank area. This drinking well serves the residence of the adjacent farmer. There is one other potable well serving the residence immediately south of the site. This well is upgradient from groundwater flow.

#### 4.0 Results

#### 4.1 Soil Investigation

Soil borings were made using a geobrobe on April 17 and April 23, 1998. On April 17<sup>th</sup>, six soil borings were installed and two samples were taken from each borehole. A water sample was taken from borings where possible. Samples were screened with a photoionization detector (PID). Samples were analyzed for gasoline range organics (GRO), lead and volatile organic compounds (VOCs). The data indicated that only SB-2 and SB-5 had contamination above the generic Residual Contaminant Levels (RCLs). SB-2 was located in the center of the tank bed, between the two tanks that were removed. The other contaminated borehole, SB-5, was located ten feet southwest of SB-2. On April 23, two borings were made in order to completely define the extent of the soil contamination. A water sample also was taken from each boring. Only low levels of lead were detected in these samples.

The results indicate that the horizontal extent of the soil contamination is somewhat small, but the contamination extends into the groundwater. This shows that the contamination moved through the sand and gravel soil quickly and was not extensively attenuated by this soil. Refer to Figure 7 and the soil boring analytical tables (table 2).

#### 4.2 Groundwater Investigation

Five water samples were obtained from five of the eight borings made on April 17 and April 23. Five additional samples were obtained from five geoprobe borings installed on May 21. Samples were analyzed for GRO, VOCs, and lead. These results helped define the groundwater plume, and assisted in determining monitoring well placement. High concentrations of GRO, lead and xylenes were detected in water in an area extending from the former tank bed to the CTH D right-of-way, and northwest to CTH BB. One sample from SB-6 had a

naphthalene concentration of 102 ug/l. Refer to the groundwater analytical tables (table 4).

Six groundwater monitoring wells and one piezometer were installed on July 6 and 7, 1998. Due to the presence of low clearance power lines, we were unable to install wells in the tank bed and in the CTH D right-of-way. However, the wells that were installed are adequate for defining the plume of contamination. The wells were sampled for GRO, VOCs and lead on July 31, 1998. Results indicated high concentrations of GRO, and lead, naphthalene, toluene, and xylenes above the ES in monitoring wells MW-1, MW-2, and the piezometer. Ethylbenzene was also above the ES in MW-2, but only above the PAL in MW-1 and the piezometer. The other wells exhibited lead in concentrations above the PAL, but below the ES. Refer to the groundwater analytical tables.

The second round of sampling, completed on October 21, 1998, again indicated high concentrations of GRO, PVOCs, and lead in these three wells.

Concentrations decreased in MW-1 and MW-2, but increased in the piezometer.

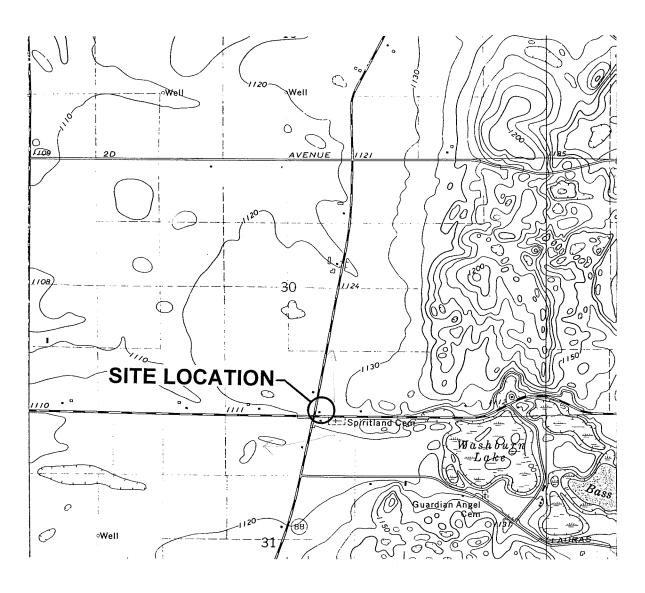
Lead was again detected in all wells. It had decreased in all wells but MW-6.

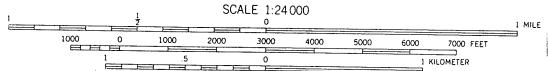
Based upon laboratory analyses of soil and groundwater samples obtained from the site, the petroleum hydrocarbon contamination extends from the former tank bed to the CTH D right-of-way, and northwest under CTH BB. The plume is off-site and is migrating northwest in the direction of groundwater flow. Refer to Figure 7.

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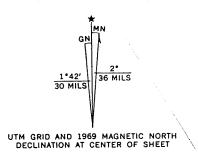


**Location Map** 





CONTOUR INTERVAL 10 FEET DATUM IS MEAN SEA LEVEL





SITE LOCATION MAP

ALMOND, WIS. SW/4 AMHERST 15' QUADRANGLE N4415—W8922.5/7.5

1969

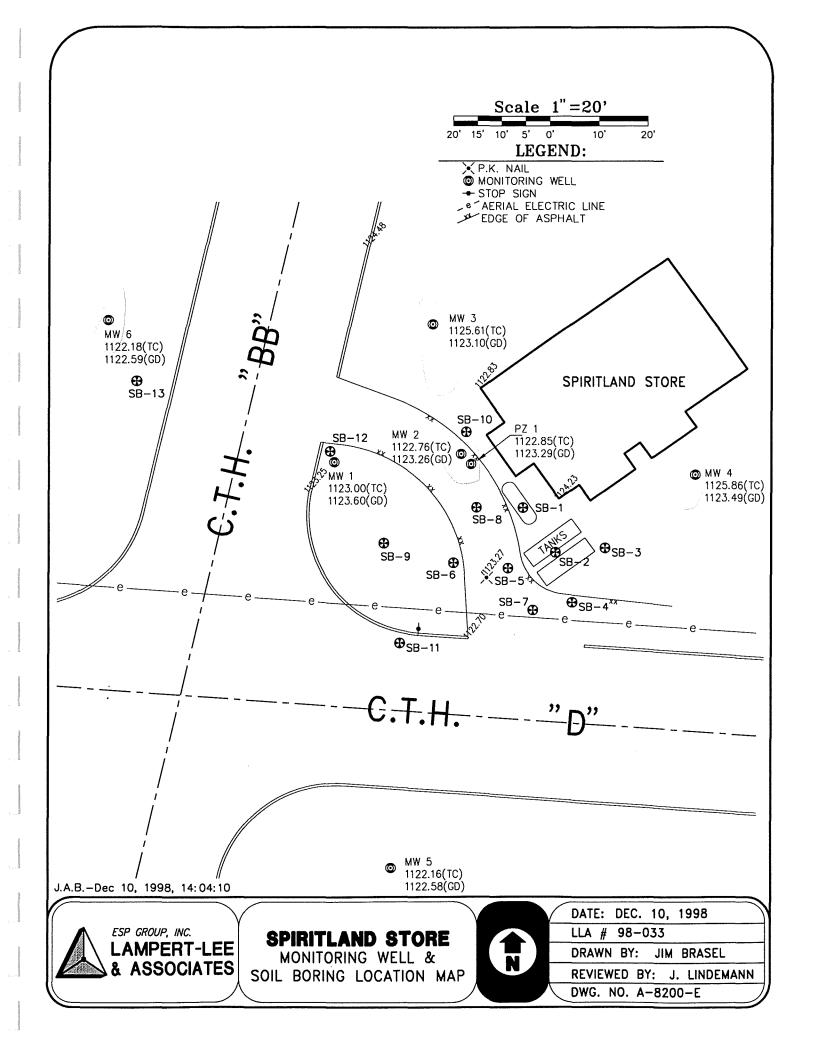
AMS 3172 IV SW-SERIES V861



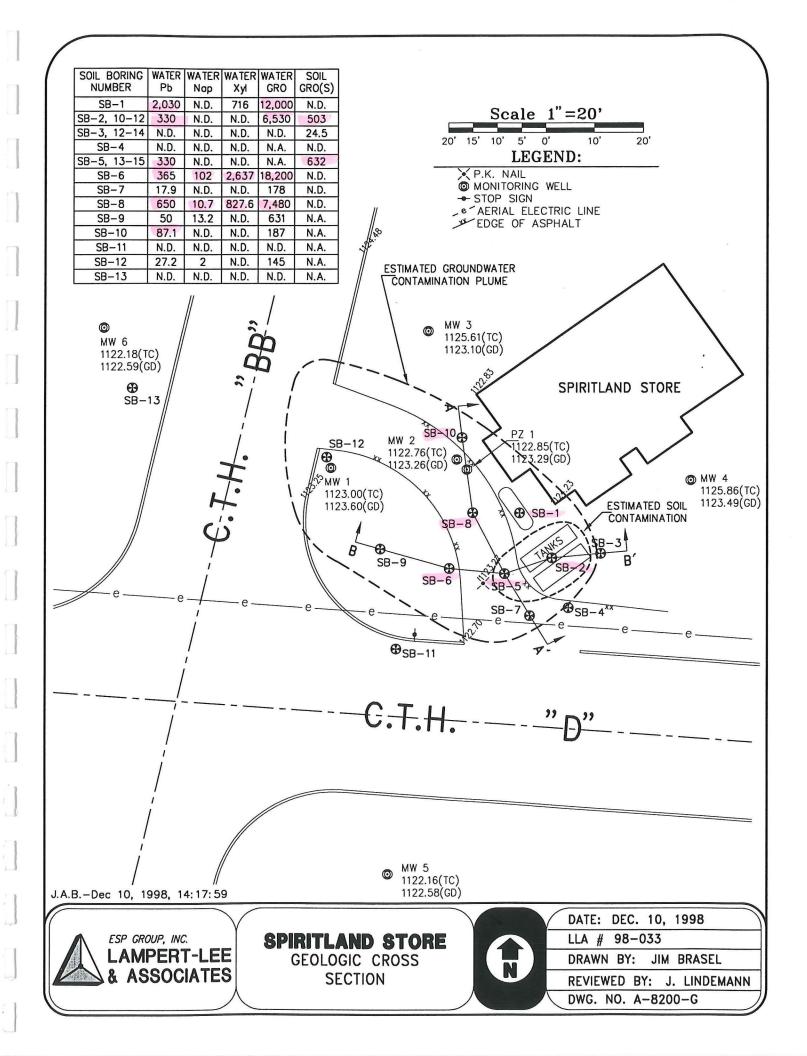
Site Map

Soil Boring Locations

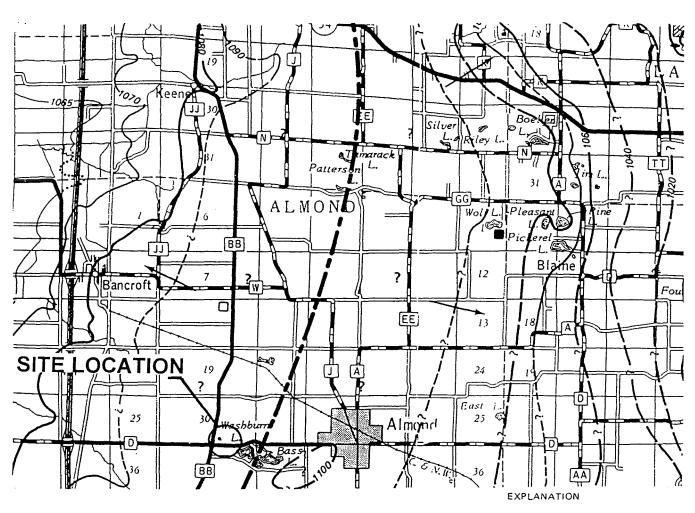
Monitoring Well Locations



**Cross Section** 



Potentiometric Map





#### WATER TABLE ELEVATION

IRRIGABLE LANDS INVENTORY PHASE I - GROUND WATER AND RELATED INFORMATION

I.D. LIPPELT

Prepared by:

WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY

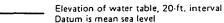
Sponsored by:

GOLDEN SANDS RESOURCE CONSERVATION AND DEVELOPMENT AREA

Funded by:

UPPER GREAT LAKES REGIONAL PLANNING COMMISSION

SEPTEMBER 1981



Probable location of water table

Inferred location of water table

? Location of water table unknown, insufficient data

Half interval, 10-ft.

Quarter interval, 5-ft.

Direction of ground-water movement

Ground-water divide, approximate location

Probable ground-water divide

Federal/state lands

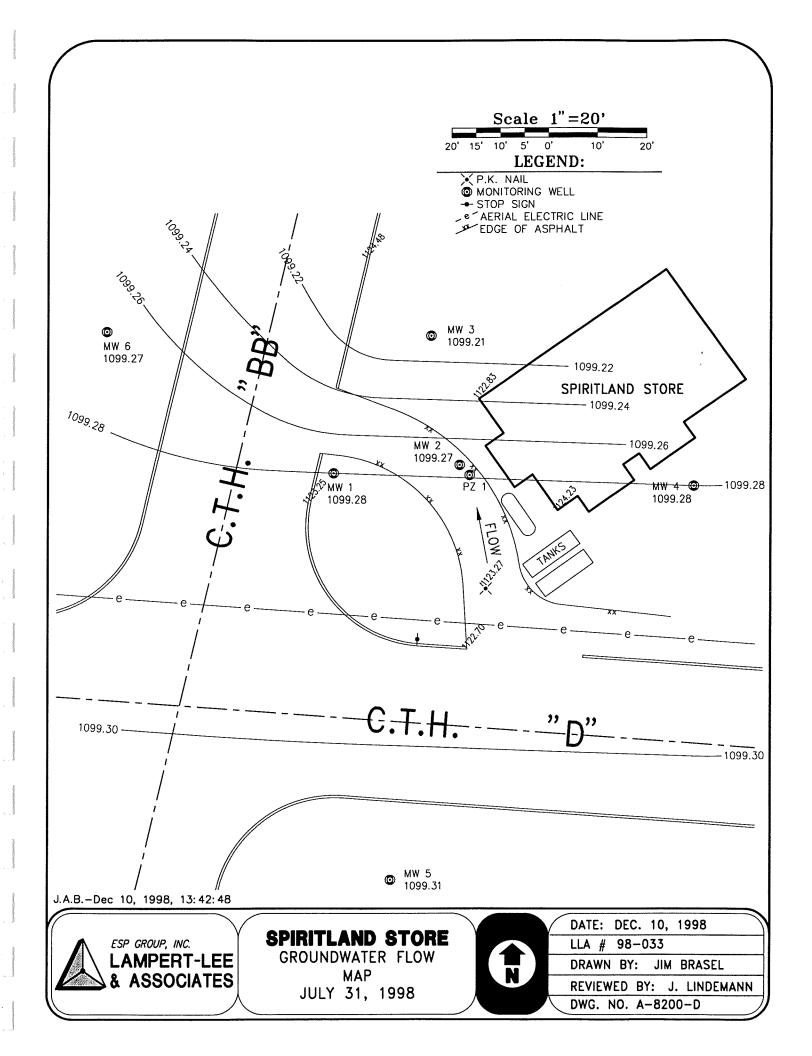
Data have not been field checked.

DEPARTMENT OF TRANSPORTATION

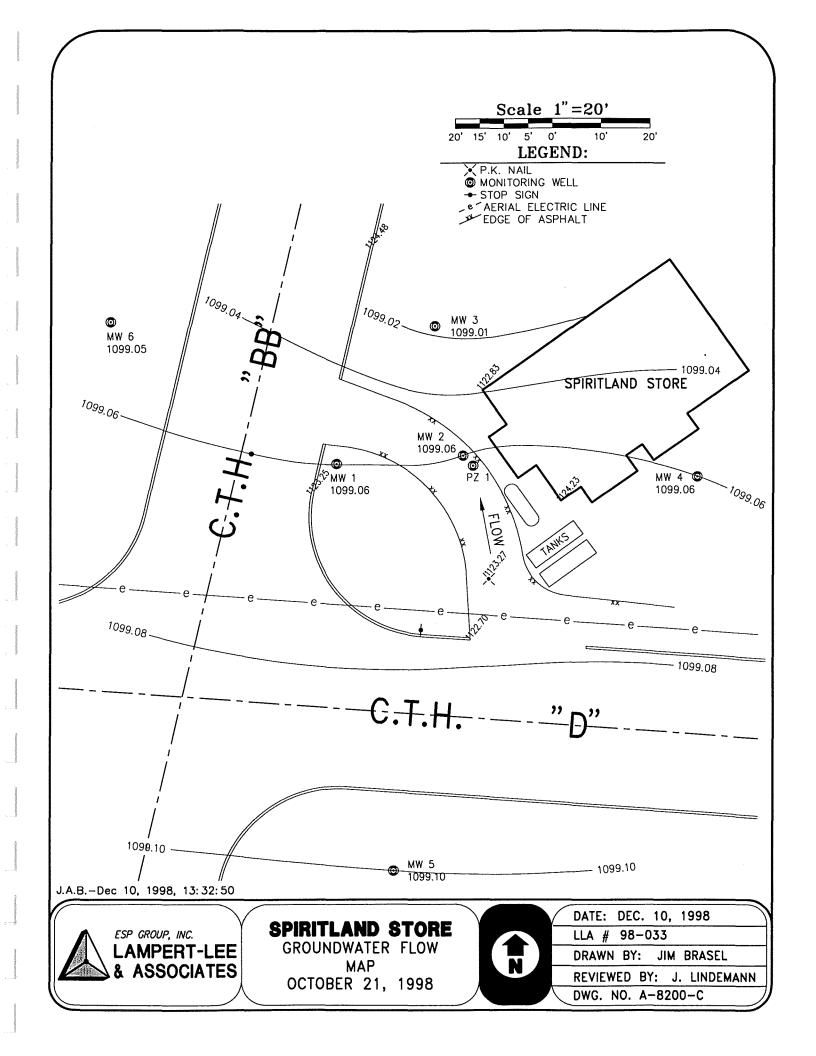




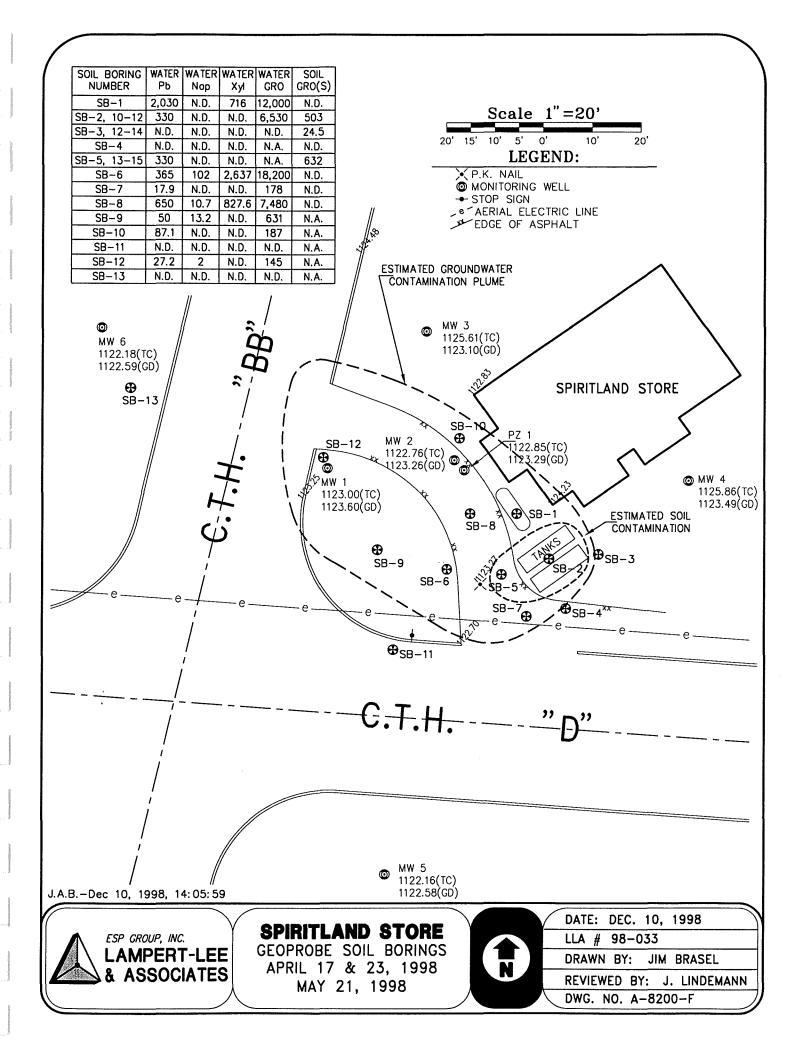
Groundwater Elevations July 31, 1998



Groundwater Elevations, October 21, 1998



Probable Extent of Soil and Groundwater Contamination



# TABLE 1

Monitoring Well Information Form

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GROUNDWATER MONITORING WELL INFORMATION FORM Chapter 281 and 289, Wis. Stats.
Form 4400-89

Rev. 7-98

Completed By (Name and Firm) Facility Name Facility ID Number License, Permit or Monitoring No. Date Spiritland Store 11/13/98 Lamport-Lee & Assues Janet Snedeker WI Reference Depths Dir. Well Casing Elevations DNR Well Enf. Grad-Distance MSL Site (√) (V) Screen Well Unique Well NIS Top of Well Casing Well Well ID Date Established Ground Screen Initial Diam. Type EW Status Stds. lent to Waste Well No Name Number Well Location Surface Top Groundwater Length Турс Depth SPE SHE 7/6/98 2" PVC 1123.00 1123.60 Х 23 28.5/01 MW-185 MON, USE ND map 7/498 a" puc 1122,761123.26 101 IMW-2 18.0 28.0 MON USE 2" PKG 1125,61 1123.10 23 MW-3 28,0 10' MON. USE 23 PVC 1125,86 1123,49 29.5 10' MW-4 19.5 MON USE 2" PVC 1122,16 1122,58 23 10' 29.0 19.0 MW-5 MON USE 2" PVC 1122 .18 1122,59 29.5 10' 19.5 23 MONJUSE MW-L 7/6/98 2" PVC 1122.85 1123,29 33.0 10' PZ-X 28,0 23 use Grid Origin Location: (Check if estimated: | ) Remarks: Location Coordinates Are: ☐ State Plane Coordinate ■ Local Grid Lat. 44 · 15 · 30 " Long. 89 · 27 · 50 "o □ Northern System ☐ Central ☐ Southern ft. E. S/C/N Zone ft. N. healon im is m in the market of the state of

# TABLE 2

Soil Boring Analyticals

# SOIL SAMPLING RESULTS SPIRITLAND

	Residual Contaminant						
	LEVEL		SAMPLE	ATE: April	17, 1998		
Soil Boring Location		SB-1	SB-1	SB-2	SB-2	SB-3	SB-3
Sample Depth Below Surface		12' - 14'	20' - 22'	10' - 12'	18' -20'	12' - 14'	20' - 22'
Analyte Parameter	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Lead		1.5	3.3	9.77	3.43	2.75	0.818
GRO	100	ND	ND	503	181	24.5	ND
			1	•			
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.5	<26	<26	<209	<28	<26	<26
Bromobenzene	-	<26	<26	<209	<28	<26	<26
Bromochloromethane	-	<26	<26	<209	<28	<26	<26
Bromodichloromethane	-	<26	<26	<209	<28	<26	<26
Bromoform	-	<26	<26	<209	<28	<26	<26
Bromomethane	-	<26	<26	<209	<28	<26	<26
n-Butylbenzene	-	<26	<26	7973	941	80	<26
sec-Butylbenzene		<26	<26	2789	600	59	<26
tert-Butylbenzene	-	<26	<26	<209	<28	46	<26
Carbon Tetrachloride	-	<26	<26	<209	<28	<26	<26
Chlorobenzene	-	<26	<26	<209	<28	<26	<26
Dibromochloromethane	-	<26	<26	<209	<28	<26	<26
Chloroethane	-	<26	<26 <26	<209 <209	<28 <28	<26 <26	<26 <26
Chloroform	-	<26	<26		<28 <28	<26	
Chloromethane	-	<26 <26	<26	<209 <209	<28	<26	<26 <26
2-Chlorotoluene 4-Chlorotoluene	-	<u> </u>	<26	<209	<28	<26	<26
1,2-Dibromo-3-chloropropane	<del></del>	<del></del>	<26	<209	<28	<26	<26
1,2 Dibromoethane	-	<26	<26	<209	<28	<26	<26
Dibromomethane	-	<26	<26	<209	<28	<26	<26
1,2-Dichlorobenzene	-	<26	<26	<209	<28	<26	<26
1,3-Dichlorobenzene		<26	<26	<209	<28	<26	<26
1,4-Dichlorobenzene		<26	<26	<209	<28	<26	<26
Dichlorodifluoromethane	-	<26	<26	<209	<28	<26	<26
1,1-Dichloroethane	-	<26	<26	<209	<28	<26	<26
1,2 Dichloroethane	-	<26	<26	<209	<28	<26	<26
1,1 - Dichloroethene	-	<26	<26	<209	<28	<26	<26
cis-1,2- Dichloroethene	-	<26	<26	<209	<28	<26	<26
trans -1, 2-Dichloroethene	-	<26	<26	<209	<28	<26	<26
1,2-Dichloropropane	-	<26	<26	<209	<28	<26	<26
1,3-Dichloropropane	-	<26	<26	<209	<28	<26	<26
2,2 Dichloropropane	-	<26	<26	<209	<28	<26	<26
1,1 - Dichloropropene	-	<26	<26	<209	<28	<26	<26
Di-isopropyl ether	-	<26	<26	<209	<28	<26	<26
Ethylbenzene	2900	<26	<26	351	30	<26	<26
Hexachlorobutadiene		<26	<26	<209	<28	<26	<26
Isopropylbenzene	-	<26	<26	782	95	<26	<26
p-Isopropyltoluene		<26	<26	2222	<28	85	<26
Methylene Chloride	-	70	<26	622	86	<26	86
Methyl - t - Butyl ether	-	<26	<26	<209	<28	<26	<26
Naphthalene	-	<26	<26	9527	3917	65	<26
n-Propylbenzene	-	<26	<26	2719	449	65	<26
1,1,1,2-Tetrachloroethane	-	<26	<26	<209	<28	<26	<26
1,1,2,2-Tetrachioroethane	-	<26	<26	<209	<28	<26	<26
Tetrachloroethene		<26	<26	<209	<28	<26	<26
Toluene	1500	<26	<26	<209	<28	<26	<26
1,2,3-Trichlorobenzene	-	<26	<26	<209	<28	<26	<26
1,2,4-Trichlorobenzene	-	<26	<26	<209	741	<26	<26
1,1,1-Trichloroethane	-	<26	<26	<209	<28	<26	<26
1,1,2-Trichloroethane	-	<26	<26	<209	<28	<26	<26
Trichloroethene		<26	<26	<209	<28	<26	<26
Trichlorofluoromethane	-	<26	<26	<209	<28	<26	<26
1,2,3-Trichloropropane		<26	<26 <26	<209	<28	<26	<26
1,2,4-Trimethylbenzene	-	<26	<26	5515 9164	<28 4492	28 39	<26
1,3,5-Trimethylbenzene		<26			1192		<26
Vinyl chloride	-	<26	<26 <26	<209 <209	<28	<26	<26
Isopropyl Ether		<26	<26		<28	<26	<26
m&p-Xylene	(Total Xylene) 4100	<26	<26	214 301	<28 35	31	<26
o-Xylene & Styrene	(Total Xylene) 4100	<26		301	<u> </u>	<26	<26

#### SOIL SAMPLING RESULTS SPIRITLAND

	Residual Contaminant					
	LEVEL			·		
Soil Boring Location		SB-4	SB-4	SB-5	SB-6	
Sample Depth Below Surface		12' - 14'	18' - 20'	13' - 15'	18' - 20'	
ANALYTE PARAMETER	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Lead GRO	100	0.723 ND	1.37 ND	6.67 632	1.84 ND	
GRO	1001	ND	I ND	032	ND	
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Benzene	5.5	<26	<26	<1259	<25	
Bromobenzene		<26	<26	<1259	<25	
Bromochloromethane		<26	<26	<1259	<25	
Bromodichloromethane		<26	<26	<1259	<25	
Bromoform		<26	<26	<1259	<25	
Bromomethane		<26	<26 <26	<1259 <b>7922</b>	<25 <25	
n-Butylbenzene sec-Butylbenzene		<26 <26	<26	1961	<25	
tert-Butylbenzene		<26	<26	<1259	<25	
Carbon Tetrachloride	1	<26	<26	<1259	<25	
Chlorobenzene		<26	<26	<1259	<25	
Dibromochloromethane		<26	<26	<1259	<25	
Chloroethane		<26	<26	<1259	<25	
Chloroform		<26	<26	<1259	<25	
Chloromethane		<26	<26	<1259	<25	
2-Chlorotoluene		<26	<26	<1259	<25	
4-Chlorotoluene 1,2-Dibromo-3-chloropropane		<26 <26	<26 <26	<1259 <1259	<25 <25	
1.2 Dibromoethane		<26	<26	<1259	<25	
Dibromomethane		<26	<26	<1259	<25	
1,2-Dichlorobenzene		<26	<26	<1259	<25	
1,3-Dichlorobenzene		<26	<26	<1259	<25	
1,4-Dichlorobenzene		<26	<26	<1259	<25	
Dichlorodifluoromethane		<26	<26	<1259	<25	
1,1-Dichloroethane		<26	<26	<1259	<25	
1,2 Dichloroethane		<26	<26	<1259	<25	
1,1 - Dichloroethene cis-1,2- Dichloroethene	+	<26 <26	<26 <26	<1259 <1259	<25 <25	
trans -1, 2-Dichloroethene		<26	<26	<1259	<25	
1,2-Dichloropropane		<26	<26	<1259	<25	
1,3-Dichloropropane		<26	<26	<1259	<25	
2,2 Dichloropropane		<26	<26	<1259	<25	
1,1 - Dichloropropene		<26	<26	<1259	<25	
Di-isopropyl ether		<26	<26	<1259	<25	
Ethylbenzene	2900	<26	<26	<1259	<25	
Hexachlorobutadiene		<26	<26	<1259	<25	
Isopropylbenzene		<26	<26	<1259	<25	
p-Isopropyltoluene Methylene Chloride		<26 <26	<26 <26	1704 <1259	<25 <25	
Methyl - t - Butyl ether		<26	<26	<1259	<25	
Naphthalene		<26	<26	13777	141	
n-Propylbenzene		<26	<26	1625	<25	
1,1,1,2-Tetrachloroethane		<26	<26	<1259	<25	
1,1,2,2-Tetrachloroethane		<26	<26	<1259	<25	
Tetrachloroethene		<26	<26	<1259	<25	
Toluene	1500	<26	<26	<1259	<25	
1,2,3-Trichlorobenzene		<26	<26	<1259	<25	
1,2,4-Trichlorobenzene		<26	<26	<1259	<25	
1,1,1-Trichloroethane		<26	<26	<1259	<25	
1,1,2-Trichloroethane Trichloroethene		<26 <26	<26 <26	<1259 <1259	<25 <25	
Trichlorofluoromethane		<26	<26	<1259	<25	
1,2,3-Trichloropropane		<26	<26	<1259	<25	
1,2,4-Trimethylbenzene		<26	<26	3665	<25	
1,3,5-Trimethylbenzene		<26	<26	7110	<25	
Vinyl chloride		<26	<26	<1259	<25	
Isopropyl Ether		<26	<26	<1259	<25	
m&p-Xylene	(Total Xylene) 4100	<26	<26	<1259	<25	
o-Xylene & Styrene	(Total Xylene) 4100	<26	<26	<1259	<25	

#### SOIL SAMPLING RESULTS SPIRITLAND

	Residual Contaminant	1		
	LEVEL		ATE: APRIL	23, 1998
Soil Boring Location		SB-7	SB-7	SB-8
Sample Depth Below Surface		18' - 20'	20' - 22'	20' - 22'
ANALYTE PARAMETER	mg/kg	mg/kg	mg/kg	mg/kg
Lead		1.29	1.49	1.15
GRO	100	ND	ND	ND
	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5.5	<26	<26	<26
Bromobenzene		<26	<26	<26
Bromochloromethane	-	<26	<26	<26
Bromodichloromethane	-	<26	<26	<26 <26
Bromoform  Bromomethane	-	<26 <26	<26 <26	<26
n-Butylbenzene	-	<26	<26	<26
sec-Butylbenzene		<26	<26	<26
tert-Butylbenzene	-	<26	<26	<26
Carbon Tetrachloride		<26	<26	<26
Chlorobenzene	-	<26	<26	<26
Dibromochloromethane	-	<26	<26	<26
Chloroethane	-	<26	<26	<26
Chloroform	-	<26	<26	<26
Chloromethane	-	<26	<26	<26
2-Chlorotoluene	-	<26	<26	<26
4-Chlorotoluene	•	<26	<26	<26
1,2-Dibromo-3-chloropropane	-	<26	<26	<26
1,2 Dibromoethane	•	<26	<26	<26
Dibromomethane	-	<26	<26	<26
1,2-Dichlorobenzene	-	<26	<26	<26 <26
1,3-Dichlorobenzene	-	<26 <26	<26 <26	<26
1,4-Dichlorobenzene Dichlorodifluoromethane		<26	<26	<26
1,1-Dichloroethane		<26	<26	<26
1.2 Dichloroethane		<26	<26	<26
1,1 - Dichloroethene	-	<26	<26	<26
cis-1,2- Dichloroethene	-	<26	<26	<26
trans -1, 2-Dichloroethene		<26	<26	<26
1,2-Dichloropropane	•	<26	<26	<26
1,3-Dichloropropane	-	<26	<26	<26
2,2 Dichloropropane	-	<26	<26	<26
1,1 - Dichloropropene	-	<26	<26	<26
Di-isopropyl ether	-	<26	<26	<26
Ethylbenzene	2900	<26	<26	<26
Hexachlorobutadiene	-	<26	<26	<26
Isopropylbenzene	-	<26	<26	<26
p-Isopropyltoluene	-	<26 <26	<26 <26	<26 <26
Methylene Chloride  Methyl - t - Butyl ether	-	<26	<26	<26
Naphthalene		<26	<26	<26
n-Propylbenzene	<u> </u>	<26	<26	<26
1,1,1,2-Tetrachloroethane		<26	<26	<26
1,1,2,2-Tetrachloroethane	-	<26	<26	<26
Tetrachloroethene		<26	<26	<26
Toluene	1500	<26	<26	<26
1,2,3-Trichlorobenzene	-	<26	<26	<26
1,2,4-Trichlorobenzene	-	<26	<26	<26
1,1,1-Trichloroethane	-	<26	<26	<26
1,1,2-Trichloroethane	-	<26	<26	<26
Trichloroethene	-	<26	<26	<26
Trichlorofluoromethane	-	<26	<26	<26
1,2,3-Trichloropropane	•	<26	<26	<26
1,2,4-Trimethylbenzene	-	<26	<26	<26
1,3,5-Trimethylbenzene	-	<26	<26	<26
Vinyl chloride	-	<26	<26	<26
Isopropyl Ether	(Take) Volume 2 4400	<26	<26	<26
m&p-Xylene	(Total Xylene) 4100	<26	<26	<26
o-Xylene & Styrene	(Total Xylene) 4100	<26	<26	<26

# TABLE 3

**Groundwater Sampling Summary** 

# Groundwater Sampling Summary Spiritland Store Town of Almond, WI

31-Jul-98	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	PZ-1
PVC Elevation *	1123.00	1122.76	1125.61	1125.86	1122.16	1122.18	1122.85
Depth to Groundwater (FT)	23.72	23.49	26.4	26.58	22.85	22.91	23.55
Groundwater Elevation	1099.28	1099.27	1099.21	1099.28	1099.31	1099.27	1099.3
Appearance of Groundwater	clear						
Amount of Purged Water (gal.)	5	5	5	5	5	5	5
Odor,sheen, or Free Product	odor	odor	none	none	none	none	odor

21-Oct-98	MVV-1	MW-2	MW-3	MW-4	MW-5	MW-6	PZ-1
PVC Elevation *	1123.00	1122.76	1125.61	1125.86	1122.16	1122.18	1122.85
Depth to Groundwater (FT)	23.94	23.7	26.6	26.80	23.06	23.13	23.75
Groundwater Elevation	1099.06	1099.06	1099.01	1099.06	1099.1	1099.05	1099.1
Appearance of Groundwater	clear						
Amount of Purged Water (gal.)	5	5	5	5	5	5	5
Odor,sheen, or Free Product	odor	odor	none	none	none	none	odor

<sup>\*</sup>Referenced to 1100 elevation shown on USGS topographic map as intersecting 1st Street and CTH D

# TABLE 4

**Groundwater Analyticals** 

# SPIRITLAND STORE UST **GROUNDWATER SAMPLES**

**ANALYTICAL RESULTS: MW1** 

		Preventive	]	
Parameter	Enforcement	Action		
	Standard	Limit	7/31/98	10/21/98
GRO (Gasoline Range Organics)	-	-	15,100	12,000
Lead (ug/l)	15	1.5	25.4	7.53
VOLATILE ORGANIC COMPOUNDS				
	(ug/l)	(ug/l)		
Benzene	5	0.5	<25	<10
Ethylbenzene	700	140	380	297
Methyl - t - Butyl ether	60	12	<50	<20
Naphthalene	40	8	180	124
Toluene	343	68.6	2,800	2,060
1,2,4-Trimethylbenzene	-	-	1,130	799
1,3,5-Trimethylbenzene	-	-	367	335
m&p-Xylene	620 (1)	124 (1)	3,780	2,800
o-Xylene / Styrene	620 (1)	124 (1)	1750	1320
Total BETX			8,735	6,487

NOTE: Lab data is presented in same units as lab analytical results.

ND - not detected

n/a - not analyzed

- -- not sampled
- (1) Total Xylenes

Compound detected above PAL if in BOLD



<sup>\*</sup>mg/l - milligrams/liter (ppm)

<sup>\*\*</sup>ug/l - micrograms/liter (ppb)

# SPIRITLAND STORE UST GROUNDWATER SAMPLES

**ANALYTICAL RESULTS: MW2** 

		Preventive	ľ	
Parameter	Enforcement	Action		
	Standard	Limit	7/31/98	10/21/98
GRO (Gasoline Range Organics)	-	-	28,200	18,300
Lead (ug/l)	15	1.5	188.0	69.7
DETECTED VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)		
Benzene	5	0.5	<25	10
n-Butylbenzene			209	NA
Ethylbenzene	700	140	1140	623
Isopropylbenzene			203	NA
p-Isopropyltoluene	V.		106	NA
Methyl - t - Butyl ether	60	12	<50	<20
Naphthalene	40	8	296	157
n-Propylbenzene			195	NA
Toluene	343	68.6	3,580	1,190
1,2,4-Trimethylbenzene	-	-	1,990	1,210
1,3,5-Trimethylbenzene	-	-	1,010	911
m&p-Xylene	620 (1)	124 (1)	4,260	2,340
o-Xylene / Styrene	620 (1)	124 (1)	1810	825
Total BETX			7,235	4,988

NOTE: Lab data is presented in same units as lab analytical results.

ND - not detected

n/a - not analyzed

-- not sampled

(1) Total Xylenes

Compound detected above PAL if in BOLD

<sup>\*</sup>mg/l - milligrams/liter (ppm)

<sup>\*\*</sup>ug/l - micrograms/liter (ppb)

# SPIRITLAND STORE UST **GROUNDWATER SAMPLES**

**ANALYTICAL RESULTS: MW3** 

Parameter  CRO (Casalina Range Organica)	Enforcement Standard	Preventive Action Limit	7/31/98 ND	10/21/98
GRO (Gasoline Range Organics)  Lead (ug/l)	15	1.5	8.8	4.78
VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)		
Benzene	5	0.5	ND	<0.5
Ethylbenzene	700	140	ND	<1
Methyl - t - Butyl ether	60	12	ND	<1
Naphthalene	40	8	ND	<1
Toluene	343	68.6	ND	<1
1,2,4-Trimethylbenzene	_	-	ND	<1
1,3,5-Trimethylbenzene	_	-	ND	<1
m&p-Xylene	620 (1)	124 (1)	ND	<1
o-Xylene / Styrene	620 (1)	124 (1)	ND	<1

NOTE: Lab data is presented in same units as lab analytical results.

ND - not detected

n/a - not analyzed

- -- not sampled
- (1) Total Xylenes

Compound detected above PAL if in BOLD

<sup>\*</sup>mg/l - milligrams/liter (ppm)

<sup>\*\*</sup>ug/l - micrograms/liter (ppb)

# SPIRITLAND STORE UST **GROUNDWATER SAMPLES**

**ANALYTICAL RESULTS: MW4** 

Parameter  GRO (Gasoline Range Organics)	Enforcement Standard -	Preventive Action Limit	7/31/98 ND	10/21/98
Lead (ug/l)	15	1.5	3.8	1.59
VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)		
Benzene	5	0.5	ND	<0.5
Ethylbenzene	700	140	ND	<1
Methyl - t - Butyl ether	60	12	ND	<1
Naphthalene	40	8	ND	<1
Toluene	343	68.6	ND	<1
1,2,4-Trimethylbenzene	_	-	ND	<1
1,3,5-Trimethylbenzene	-	-	ND	<1
m&p-Xylene	620 (1)	124 (1)	ND	<1
o-Xylene / Styrene	620 (1)	124 (1)	ND	<1

NOTE: Lab data is presented in same units as lab analytical results.

ND - not detected

n/a - not analyzed

-- not sampled

(1) Total Xylenes

Compound detected above PAL if in BOLD



<sup>\*</sup>mg/l - milligrams/liter (ppm)

<sup>\*\*</sup>ug/l - micrograms/liter (ppb)

# SPIRITLAND STORE UST GROUNDWATER SAMPLES

**ANALYTICAL RESULTS: MW5** 

Parameter	Enforcement	Preventive Action		
1 diameter	Standard	Limit	7/31/98	10/21/98
GRO (Gasoline Range Organics)	-	_	ND	<50
Lead (ug/l)	15	1.5	3.1	2.07
VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)		
Benzene	(ug/i) 5	0.5	ND	<0.5
Ethylbenzene	700	140	ND	<1
Methyl - t - Butyl ether	60	12	ND	<1
Naphthalene	40	8	ND	<1
Toluene	343	68.6	ND	<1
1,2,4-Trimethylbenzene	-	-	ND	<1
1,3,5-Trimethylbenzene	-	-	ND	<1
m&p-Xylene	620 (1)	124 (1)	ND	<1
o-Xylene / Styrene	620 (1)	124 (1)	ND	<1

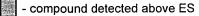
NOTE: Lab data is presented in same units as lab analytical results.

ND - not detected

n/a - not analyzed

- -- not sampled
- (1) Total Xylenes

Compound detected above PAL if in BOLD



<sup>\*</sup>mg/l - milligrams/liter (ppm)

<sup>\*\*</sup>ug/l - micrograms/liter (ppb)

### SPIRITLAND STORE UST **GROUNDWATER SAMPLES**

**ANALYTICAL RESULTS: MW6** 

		Preventive		
Parameter	Enforcement	Action		
	Standard	Limit	7/31/98	10/21/98
GRO (Gasoline Range Organics)	-	-	ND	<50
Lead (ug/l)	15	1.5	4.1	8.91
VOLATILE ORGANIC COMPOUNDS				
	(ug/l)	(ug/l)		
Benzene	5	0.5	ND	<0.5
Ethylbenzene	700	140	ND	<1
Methyl - t - Butyl ether	60	12	ND	<1
Naphthalene	40	8	ND	<1
Toluene	343	68.6	ND	<1
1,2,4-Trimethylbenzene	-	-	ND	<1
1,3,5-Trimethylbenzene	-	-	ND	<1
m&p-Xylene	620 (1)	124 (1)	ND	<1
o-Xylene / Styrene	620 (1)	124 (1)	ND	<1

NOTE: Lab data is presented in same units as lab analytical results.

ND - not detected

n/a - not analyzed

- -- not sampled
- (1) Total Xylenes

Compound detected above PAL if in BOLD



- compound detected above ES

<sup>\*</sup>mg/l - milligrams/liter (ppm)

<sup>\*\*</sup>ug/l - micrograms/liter (ppb)

# SPIRITLAND STORE UST GROUNDWATER SAMPLES

**ANALYTICAL RESULTS: PZ1** 

		Preventive		
Parameter	Enforcement	Action		
	Standard	Limit	7/31/98	10/21/98
GRO (Gasoline Range Organics)	-	-	7,890	11,400
Lead (ug/l)	15	1.5	22.1	17,2
VOLATILE ORGANIC COMPOUNDS	(ug/l)	(ug/l)	<i>7</i>	
Benzene	5	0.5	<25	<10
n-Butylbenzene			236	NA
Ethylbenzene	700	140	380	487
Methyl - t - Butyl ether	60	12	<50	<20
Naphthalene	40	8	75	135
Toluene	343	68.6	576	1,340
1,2,4-Trimethylbenzene	-	_	544	736
1,3,5-Trimethylbenzene	-	-	247	388
m&p-Xylene	620 (1)	124 (1)	1,670	1,980
o-Xylene / Styrene	620 (1)	124 (1)	686	780
Total BETX			3,337	4,597

NOTE: Lab data is presented in same units as lab analytical results.

ND - not detected

n/a - not analyzed

- -- not sampled
- (1) Total Xylenes

Compound detected above PAL if in BOLD

- compound detected above ES

<sup>\*</sup>mg/l - milligrams/liter (ppm)

<sup>\*\*</sup>ug/l - micrograms/liter (ppb)

### GROUNDWATER SAMPLING RESULTS FROM GEOPROBE TEMPORARY. WELLS SPIRITLAND

Sample Date		Preventive		4/17/98		4/23	3/98
Soil Boring Location	Enforcement	Action	SB-1	SB-2	SB-6	SB-7	SB-8
Analyte Parameter	Standard	Limit	mg/l	mg/l	mg/l	mg/l	mg/l
GRO	-	- 1	12.0	6.53	18.2	0.178	7.48

	(ug/l)	(ug/l)	ug/l	ug/i	ug/kg	ug/kg	ug/kg
Benzene	5	0.5	ND	ND	ND	ND	ND
Bromobenzene	1 -	-	ND	ND	ND	ND	ND
Bromochloromethane	-	-	ND	ND	ND	ND	ND
Bromodichloromethane	179	36	ND	ND	ND	ND	ND
Bromoform	4.4	0.44	ND	ND	ND	ND	ND
Bromomethane	-	-	ND	ND	ND	ND	ND
n-Butylbenzene	-	-	423	964	643	ND	216
sec-Butylbenzene	-	-	ND	ND	ND	ND	ND
tert-Butylbenzene	-	-	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	0.5	ND	ND	ND	ND	ND
Chlorobenzene	-	-	ND	ND	ND	ND	ND
Dibromochloromethane	215	43	ND	ND	ND	ND	ND
Chloroethane	400	80	ND	ND	ND	ND	ND
Chloroform	6	0.6	ND	ND	ND	ND	ND
Chloromethane	-	-	ND	ND	ND	ND	ND
2-Chlorotoluene		<u> </u>	ND	ND	ND	ND	ND
4-Chlorotoluene		<u> </u>	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2	0.02	ND	ND	ND	ND	ND
1,2 Dibromoethane			ND	ND	ND	ND	ND
Dibromomethane	0.05	0.005	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	60	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1250	125	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	15	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1000	200	ND	ND	ND	ND	ND
1,1-Dichloroethane	850	< 1.0	ND	ND	ND	ND	ND
1,2 Dichloroethane	5	0.5	ND	ND	ND	ND	ND
1,1 - Dichloroethene	7	0.7	ND	ND	ND	ND	ND
cis-1,2- Dichloroethene	70	7	ND ND	ND	ND	ND	ND
trans -1, 2-Dichloroethene	100	20	ND	ND ND	ND	ND ND	ND
1,2-Dichloropropane	5	0.5	ND ND	ND	ND ND	ND ND	ND
1,3-Dichloropropane	<del>                                     </del>	<del> </del> -	ND ND	ND ND	ND ND	ND ND	ND
2,2 Dichloropropane	-	-	ND ND	ND ND	ND ND	ND ND	ND ND
1,1 - Dichloropropene	-	<del>  -</del>	ND ND	ND	ND ND	ND ND	ND ND
Di-isopropyl ether Ethylbenzene	700	140	ND ND	ND	ND	ND ND	ND ND
Hexachlorobutadiene	700	- 140	ND	ND	ND	ND ND	ND ND
Isopropylbenzene	1 -	<del>  -</del> -	ND	ND	ND	ND	ND ND
p-Isopropyltoluene	1 -	<del>                                     </del>	ND	ND	ND	ND ND	ND
Methylene Chloride	<del>-</del>	<del> </del>	ND	ND	ND	ND	ND
Methyl - t - Butyl ether	60	12	ND	ND	ND	ND ND	ND
Naphthalene	40	8	ND	ND	102	ND	10.7
n-Propylbenzene	-	<del>                                     </del>	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	_	<del> </del>	ND	ND	ND	ND	ND
1,1,2,2-Tetrachioroethane	-	<del> </del>	ND	ND	ND	ND	ND
Styrene	_	-	ND	ND	ND	ND	ND
Tetrachloroethene	5	0.5	ND	ND	ND	ND	ND
Toluene	343	68.6	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene			ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	-	<del>  -</del>	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	40	ND	ND	ND	ND	ND
1,1,2-Trichloroethane			ND	ND	ND	ND	ND
Trichloroethene	5	0.5	ND	ND	ND	ND	ND
Trichlorofluoromethane	-	-	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	-	-	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	-	-	277	ND	201	ND	51.7
1,3,5-Trimethylbenzene	-	-	358	25.1	852	ND	76.9
Vinyl chloride	0.2	0.02	ND	ND	ND	ND	ND
Isopropyl Ether	*	-	ND	ND	ND	ND	ND
m&p-Xylene	620 (1)	124 (1)	249	ND	367	ND	93.6
o-Xylene	620 (1)	124 (1)	467	ND	2270	ND	734
Lead	15	1.5	2030	330	365	17.9	650
				reception - referrible		and a supplied to the supplied of the supplied to the supplied	100 C

### GROUNDWATER SAMPLING RESULTS FROM GEOPROBE TEMPORARY WELLS SPIRITLAND

Sample Date		Preventive		E	5/21/98		
Soil Boring Location	Enforcement	Action	SB-9	SB-10	SB-11	SB-12	SB-13
Analyte Parameter	Standard	Limit	mg/l	mg/l	mg/l	mg/l	mg/l
GRO	-	-	0.6	0.187	ND	0.145	ND
	(ug/l)	(ug/l)	ug/l	ug/l	ug/kg	ug/kg	ug/kg
Benzene	5	0.5	ND	ND	ND	ND	ND
Bromobenzene	-	-	ND	ND	ND	ND	ND
Bromochloromethane	-	-	ND	ND	ND	ND	ND
Bromodichloromethane	179	36	ND	ND	ND	ND	ND
Bromoform	4.4	0.44	ND	ND	ND	ND	ND
Bromomethane	-	-	ND	ND	ND	ND	ND
n-Butylbenzene	-	-	3.16	ND	ND	ND	ND
sec-Butylbenzene		-	ND	ND	ND	ND	ND
tert-Butylbenzene	•		ND	ND	ND	ND	ND
Carbon Tetrachloride	5	0.5	ND	ND	ND	ND	ND
Chlorobenzene	-	-	ND	ND	ND	ND	ND
Dibromochloromethane	215	43	ND	ND	ND	ND	ND
Chloroethane	400	80	ND	ND	ND	ND	ND
Chloroform	6	0.6	ND ND	ND ND	ND	ND	ND
Chloromethane	-	-	ND	ND ND	ND ND	ND	ND
2-Chlorotoluene	-	<del>  -</del>	ND ND	ND ND	ND ND	ND ND	ND ND
4-Chlorotoluene 1.2-Dibromo-3-chloropropane	0.2	0.02	ND ND	ND ND	ND ND	ND ND	ND ND
1,2-Dibromo-3-chioropropane 1,2 Dibromoethane	U.Z	V.U2	ND ND	ND ND	ND ND	ND ND	ND ND
Dibromomethane	0.05	0.005	ND ND	ND ND	ND	ND	ND ND
1.2-Dichlorobenzene	600	60	ND	ND	ND	ND	ND ND
1,3-Dichlorobenzene	1250	125	ND	ND	ND	ND	ND
1.4-Dichlorobenzene	75	15	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1000	200	ND	ND	ND	ND	ND
1,1-Dichloroethane	850	< 1.0	ND	ND	ND	ND	ND
1,2 Dichloroethane	5	0.5	ND	ND	ND	ND	ND
1,1 - Dichloroethene	7	0.7	ND	ND	ND	ND	ND
cis-1,2- Dichloroethene	70	7	ND	ND	ND	ND	ND
trans -1, 2-Dichloroethene	100	20	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	0.5	ND	ND	ND	ND	ND
1,3-Dichloropropane	_	-	ND	ND	ND	ND	ND
2,2 Dichloropropane	-	-	ND	ND	ND	ND	ND
1,1 - Dichloropropene	-	-	ND	ND	ND	ND	ND
Di-isopropyl ether			ND	ND	ND	ND	ND
Ethylbenzene	700	140	1.9	ND	ND	ND	ND
Hexachlorobutadiene	-		ND	ND	ND	ND	ND
Isopropylbenzene	-	<u> </u>	ND	ND	ND	ND	ND
p-Isopropyltoluene		-	ND	ND	ND	ND	ND
Methylene Chloride			ND	ND	ND	ND	ND
Methyl - t - Butyl ether	60	12	ND	ND	ND	ND	ND
Naphthalene	40	8	13.2	ND	ND	2.1	ND
n-Propylbenzene	-		ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	-	<del>-</del>	ND	ND ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		<u> </u>	ND	ND	ND	ND	ND
Styrene	<u> </u>		ND	ND	ND	ND	ND
Tetrachloroethene	5	0.5	ND	ND	ND	ND 4.50	ND
Toluene	343	68.6	ND ND	ND	ND ND	1.53	ND ND
1,2,3-Trichlorobenzene	-	-	ND	ND ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	40	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	-	0.5	ND	ND	ND	ND	ND
Trichloroethene	5	0.5	ND	ND	ND	ND	ND
Trichlorofluoromethane	-		ND ND	ND ND	ND ND	ND	ND
1,2,3-Trichloropropane	-	<del> </del>	ND 4.54	ND ND	ND ND	ND 6.06	ND ND
1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	-	<u> </u>	4.54	ND ND	ND ND		ND
1,3,5- I nmetnylbenzene Vinyl chloride	0.2	- 0.02	13.7 ND	ND ND	ND ND	3,57	ND ND
	U.Z	0.02	ND ND	ND	ND	ND ND	ND
Isopropyl Ether m&p-Xylene	620 (1)	124 (1)	4.03	ND ND	ND ND	9.85	1.12
	620 (1)		4.03 ND	ND ND	ND	1.73	1.12 ND
o-Xylene	15	124 (1)	50	87.1	ND	27.2	
Lead	19	1.5	l an	Of VI	עאו	41.4	ND

### APPENDIX A

**Tank Closure Report** 

SPIRITLAND STORE
County Hwy.D, and County Hwy.BB
Plainfield, Wisconsin

Tank Removal 10/6/94

Arrived at the site at 0745 hours Excavator, Fahrner Truck & Excavating of Plover, Wisconsin arrived at 0800 hours.

Site safety plan was reviewed and signed by all present and work begin at 0825.

Also present on the site was the owner and Inspector JEFF BERRY #00008 who reviewed the Health & Safety plan and signed same prior to the work starting.

Signs and safety equipment was positioned on site.

TANK # 1, South most tank

Tank was removed at 0900 and was visably deteriorated, holes were visable along the bottom of the tank.

The soils below the tank were odorous and reflected gasoline contamination. No soil staining was evident, old leak.

Soils were screened using SOP, and no detect in soils above or along side of tank, but a sample below the tank registered 9 on the Hnu Meter used to screen the samples. A physical soil sample was taken for confirmation.

TANK # 2, North most tank

Tank was side by side in common location.

Prior to excavating tank was determined to contain 8" of product, which was pumped and drummed for the owners use.

This tank upon removal appeared to be in sound condition, and soils screened under this tank did not register on the meter.

The owner and the inspector were alerted to the possiable reportable levels of petroleum contamination, subject to the laboratory report, since the on site screening was a low and light response level.

No water was encountered, and the burden soils were returned to the excavation along with some 6 yards of fill sand.

Pagel of 2.

SPIRTLAND STORE ALMOND, WISCONSIN

Tanks were degassed and cut and entered and labeled for disposal by the excavator at a local scrap recycler.

No release report was filed, pending the confirmation of a possible release of contaminates.

A chain of custody was completed and sample was preserved for testing by a State certified Laboratory. (SOP).

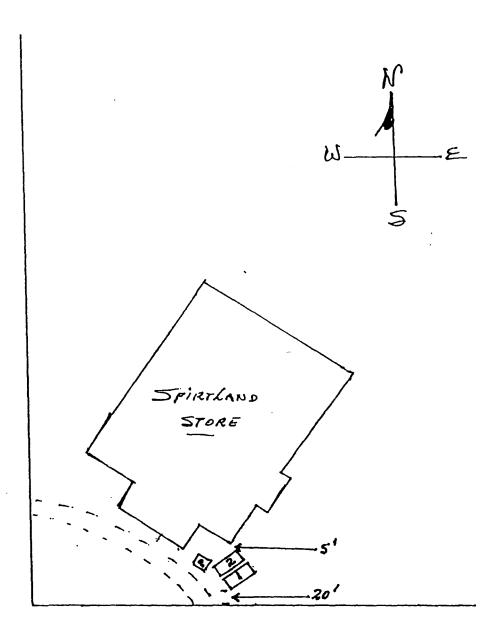
A site plan and tank inventory forms were completed and a signed copy was conveyed to the D.I.L.H.R. inspector.

Site was secured at 12;45 hours.

REMOVER, ASSESSOR:

LLOYD DRIESSEN, #04314

OTY, HWY. BB" (0LD ST. HWY SI)



CTY. Hwy. D"

Th. Daireson 196/85



Laboratory Services 1230 Lange Ct. Baraboo, WI 53913 608-356-2760

#### ANALYTICAL REPORT

C.T.S. ENVIRONMENTAL SERVICES LLOYD DREISSEN BOX 113 WINTER, WI 54896

Sample

Sample

Client I.D. No.:LC1000000015 Work Order No.:941000178 Project Name:SPIRITLAND STOR Project Number:9481 Report Date: 11/11/94 Date Received: 10/10/94 Arrival Temperature:3.7

I.D. #:85957 Sample Description:9481 T1-E		Date Sampled: 10/06/94
Analyte	Result	Units
Gasoline Range Organics- WDNR Modified GRO Sample contains fractions lighter and heavier than gasoline range organic hydrocarbons.	<b>430</b>	mg/Kg
Extraction Date GRO Analysis Date GRO Lead, Total EPA 7420 LUST Total Percent SolidsEPA 5030	10/12/94 10/13/94 40.2	mg/Kg
LUST Total Percent SolidsEPA 5030 Benzene *1	97.6 <0.03	% mg/Kg
Bromobenzene	< 0.08	mg/Kg
Bromodichloromethane n-Butylbenzene *1, *2	< 0.08 0.64	mg/Kg mg/Kg
sec-Butylbenzene	< 0.16	mg/Kg
tert-Butylbenzene *1	< 0.16	mg/Kg
Carbon tetrachloride Chlorobenzene Chloroethane Chloroform	< 0.08 < 0.33 < 0.33 < 0.08	mg/Kg mg/Kg mg/Kg mg/Kg
*1 Chloromethane *3	< 0.33	mg/Kg
2-Chlorotoluene 4-Chlorotoluene Chlorodibromomethane 1,2-Dibromo-3-chloropropane	<0.16 <0.16 <0.08 <0.20	mg/Kg mg/Kg mg/Kg mg/Kg
1,2-Dibromoethane (EDB) 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane *3	<0.16 <0.16 <0.16 <0.08 <0.33	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg
1,1-Dichloroethane	< 0.08	mg/Kg
1,2-Dichloroethane 1,1-Dichloroethene	< 0.08 < 0.07	mg/Kg mg/Kg
cis-1,2-Dichloroethene *1	< 0.08	mg/Kg
trans-1,2-Dichloroethene *1	< 0.08	mg/Kg
1,2-Dichloropropane 1,3-Dichloropropane	< 0.08 < 0.08 Submitted By: //	mg/Kg mg/Kg

Wisconsin DNR Laboratory Certification Number: 157066030 DHSS Certification Number: MW0289



Laboratory Services 1230 Lange Ct. Baraboo, WI 53913 608-356-2760

#### ANALYTICAL REPORT

C.T.S. ENVIRONMENTAL SERVICES LLOYD DREISSEN BOX 113 WIN'TER, WI 54896

Client I.D. No.:LC1000000015 Work Order No.:9410000173 Project Name:SPIRITLAND STOR Project Number:9481 Report Date: 11/11/94 Date Received: 10/10/94 Arrival Temperature:8.7

Sample Sample I.D. #:85957 Description:9481 T1-E		Date Sampled: 10/06/94
Analyte	Result	<u>Units</u>
2,2-Dichloropropane	< 0.33	mg/Kg
Diisopropyl ether	< 0.16	mg/Kg
Ethylbenzene	< 0.16	mg/Kg
Hexachlorobutadiene	< 0.16	mg/Kg
Isopropylbenzene	< 0.16	mg/Kg
p-Isopropyltoluene	< 0.16	mg/Kg
Methylene chloride (Dichloromethane) Methyl-tert-butyl ether	<0.41 <0.33	mg/Kg mg/Kg
Naphthalene	1.70	mg/Kg
n-Propylbenzene	0.17	mg/Kg
1,1,2,2-Tetrachloroethane	< 0.16	mg/Kg
Tetrachloroethene Toluene *1	<0.08 <0.33	mg/Kg mg/Kg
1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene Trichlorofluoromethane	<0.16 <0.16 <0.08 <0.08 <0.03 <0.16	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg
*3 1,2,4-Trimethylbenzene	2.33	mg/Kg
1,3,5-Trimethylbenzene	0.61	mg/Kg
Vinyl chloride	< 0.03	mg/Kg
m&p-Xylene	0.25	mg/Kg
o-Xylene Extraction Date VOC's Extraction Date VOC's Analysis Date VOC's EPA 8260 *1 - Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.	0.21 10/20/94 10/20/94	mg/K <b>g</b>

Sample results may also show a degree of variability.
\*2 - Check standard for this analyte exhibited a

Submitted By:



Laboratory Services 1230 Lange Ct. Baraboo, WI 53913 608-356-2760

Units

gm

#### ANALYTICAL REPORT

C.T.S. ENVIRONMENTAL SERVICES LLOYD DREISSEN BOX 118 VINTER, WI 54896

Client I.D. No.:LC1000000015 Work Order No.:9410000178 Project Name:SPIRITLAND STOR Project Number:9481 Report Date: 11/11/94 Date Received: 10/10/94 Arrival Temperature:3.7

3	8	m	p	le	•			
I.	D	١.	#	:8	5	96	57	

Sample Description:9481 T1-E

Date Sampled: 10/06/94

<u>Analyte</u>	Result
high bias. Sample results may also be biased high. Non-detects were verified by comparison with a low standard.  *3 - Check standard for this analyte exhibited a low bias. Sample results may also be biased low. Non-detects were verified by comparison with a low	
standard. Metals Sample Preparation Metals Digestion Sample Weight	10/13/94 1.67

Comments for entire Work Order: None

1.07

Submitted By:







d State Associates 1230 Lange Court Baraboo, WI 53913

Attn: Alice Chenoweth

CUST NUMBER: CTS-9481
SAMPLED BY: Client
DATE REC'D: 10/11/94
REPORT DATE: 11/02/94
PREPARED BY: LMP 1m2
REVIEWED BY: \frac{1}{1}

	BBB Glidence of critical and cr	Units	DetectionLimit	85957 _10/06/94	03451	Date
				10/06/34	<u>Qualifiers</u>	<u>Analyzed</u>
	F7A 8021					
	enzene	μg/g	0.03	X	DUP	10/20/94
	Iromobenzene	μg/g	0.08	Х	CSH	10/20/94
	Bromodichloromethane	μg/g	0.08	Х	<b>551.</b>	10/20/94
	n-Butylbenzene	μg/g	0.17	0.64	CSH DUP	10/20/94
	ec-Butylbenzene	μg/g	0.16	X	DUP	10/20/94
	ert-Butylbenzene	μg/g	0.16	X	DUP	10/20/94
	Carbon Tetrachloride	μg/g	0.08	X		10/20/94
	Chlorobenzene	μg/g	0.33	Х		10/20/94
	hlorodibromomethane	μg/g	0.08	Х		10/20/94
	thloroethane	μg/g	0.33	X		10/20/94
	Chloroform	μg/g	0.08	X	DUP	10/20/94
	Chloromethane	μg/g	0.33	X	CSL	10/20/94
	p-Chlorotoluene	lra/a	0.16	X	002	10/20/94
	p-Chlorotoluene	μg/g	0.16	Х		10/20/94
	1,2-Dibromo-3-chloropropan		0.20	X	CSL	10/20/94
	1,2-Dibromoethane	μg/g	0.16	Х		10/20/94
	1,2-Dichlorobenzene	μg/g	0.16	X		10/20/94
	1,3-Dichlorobenzene	μg/g	0.16	X		10/20/94
	1,4-Dichlorobenzene	μg/g	0.08	Х		10/20/94
	Dichlorodifluoromethane	μg/g	0.33	x	CSL	10/20/94
	1,1-Dichloroethane	μg/g	0.08	X	CSL	10/20/94
	1,2-Dichloroethane	μg/g	0.08	X		10/20/94
	1,1-Dichloroethylene	μg/g	0.07	Х	CSL	10/20/94
	cis-1,2-Dichloroethylene	μg/g	0.08	x	DUP	10/20/94
	trans-1,2-Dichloroethylene		0.08	X	DUP	10/20/94
	1,2-Dichloropropane	μg/g	0.08	X		10/20/94
	1,3-Dichloropropane	μg/g	0.08	X		10/20/94
ć	2,2-Dichloropropane	μg/g	0.33	x	DUP	10/20/94
	Ethylbenzene	μg/g	0.16	· <b>X</b>	DUP	10/20/94
	Hexachlorobutadiene	μg/g	0.16	X	CSL	10/20/94
	Isopropylbenzene	μg/g	0.16	X	DUP	10/20/94
	Isopropyl Ether	μg/g	0.16	X	DUP	10/20/94
	p-Isopropyltoluene	μg/g ·	0.16	X	DUP	10/20/94
i.,	Methyl tert Butyl Ether	μg/g	0.33	X	DUP	10/20/94
	Methylene Chloride	μg/g	0.41	X		10/20/94
	Naphthalene	μα/a	0.17	1.70	CSH DUP	10/20/94
	n-Propylbenzene	μg/g	0.17	0.17	DUP	10/20/94
	Tetrachloroethylene	μg/g	0.08	X		10/20/94
	1,1,2,2-Tetrachloroethane	μg/g	0.16	X	CSL	10/20/94
	Toluene	μg/g	0.33	x	DUP	10/20/94
	1,2,3-Trichlorobenzene	μg/g	0.16	X	— <del></del>	10/20/94
	1,2,4-Trichlorobenzene	μg/g	0.16	х		10/20/94

Analytical No.:

23006

X = Analyzed but not detected. Results calculated on a dry weight basis. d State Associates
30 Lange Court
boo, WI 53913

: Alice Chenoweth

CUST NUMBER: CTS-9481
SAMPLED BY: Client
DATE REC'D: 10/11/94
REPORT DATE: 11/02/94
PREPARED BY: LMP2mP
REVIEWED BY: \n/

. 3		Detection	85957		Date
: %	Units	Limit	10/06/94	<u>Qualifiers</u>	Analyzed
994200	,				
.,1-Trichloroethane	μg/g	0.08	Х.		10/20/94
,1,2-Trichloroethane	μg/g	0.08	· <b>X</b>		10/20/94
richloroethylene	μg/g	0.03	X		10/20/94
chlorofluoromethane	μg/g	0.16	X	CSL	10/20/94
1 2,4-Trimethylbenzene	μg/g	0.17	2.33	DUP	10/20/94
,3,5-Trimethylbenzene	μg/g	0.17	0.61	DUP	10/20/94
inyl Chloride	μg/g	. 0.03	x	CSL	10/20/94
n & p-Xylene	μg/g	0.17	0.25	DUP	10/20/94
o Kylene & Styrene	μg/g	0.17	0.21		10/20/94

alytical No.:

23006

Analyzed but not detected.





State Associates 230 Lange Court araboo, WI 53913

ttn: Alice Chenoweth

alifier Descriptions

CUST NUMBER: CTS-9481
SAMPLED BY: Client
DATE REC'D: 10/11/94
REPORT DATE: 11/02/94
PREPARED BY: LMP 1 AP
REVIEWED BY:

DUP	Result of duplicate analysis in this quality assurance
	batch exceeds the limits for precision. Sample results
	may also show a degree of variability.

CSH Check standard for this analyte exhibited a high bias. Sample results may also be biased high. Non-detects were verified by comparison with a low standard.

CSL Check standard for this analyte exhibited a low bias. Sample results may also be biased low. Non-detects were verified by comparison with a low standard.

### **APPENDIX B**

Soil Boring Logs and

**Borehole Abandonment Forms** 

	Wiscon		.1.0			Route To:							S	OIL Boom 440	ORING	LOG	INFO		
Departi	nent of	Natura	ıı Ke	sources		Solid Waste			az. Was		То	1	г	)IIII 44(	10-122				7-91
						☐ Emergency Resp☐ Wastewater		J W	ater Re			iks							
								] Ot	her							Pa	ge1	of	_1
Facility Spiritla	/Project and Sto							Li	cense/F	Permi	t/M	Ionitorii	ng Nu	mber	Bori	ng Num	ber SB-1		
		By (F	irm n	ame an	d name o	f crew chief)		Da	ate Dril	ling S	Star				ng Com	_	- 1	lling M	ethod
U.S. F D. Bus								0	<u>. 4</u> .	<u> </u>	7_	9 8		<u> </u>	1 7	9 8	-1 $-1$	oprob	e
								╂		DI		YY	M		D D	Y Y	<u>l</u>		
DNR F	acility V	Vell N	0.	WI Uni — —	que Well	No.   Common Well	Name	Fin				r Level MSL	1	face Ele <u>V/A</u>	vation Feet N		3orehol 1.5	e Diam incl	
Boring		n							_		٥.		Loc	al Grid	Location	on (If ap	plicabl	e)	
State Pl	*****				- N,		E S/C/N					15' 30	1			⊐ <sub>N</sub>			
SW	1/4 of		SE	1/4 of	f Section	30 , T 21 N,		Е				<u>27'50</u>		Fee		⊐ <sub>S</sub>	]	Feet	$\square_{W}$
County	Po	1	ag	e			DNR C	Coun S	ty Cod	e -	Civ	vil Tow A	n / Cit <b>∿ం</b> ≀	$\sum_{i} V_i $	illage/				
Sam				ب											Soil	Proper	ties		
	Length Recovered(in)	Blow Counts		Depth in Feet		Soil/Rock Descripti						اء		Standard Penetration	. بو				nts
Number	Length Recover	K		oth ii		And Geologic Origin Each Major Unit			USCS	Graphic	20	Well Diagram	^	ndar	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
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			_	2															
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6-8'				6									21.5						
			ΙΞ									l	_,						
8-10'			=	8									42.5						
			=																
10-12'			=	10									25.2						
			=	40							1								
12-14'			=	12									72.6						
44.40			=	14															
14-16'			=										29.8						
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.0 10			ΙΞ		1110,00			Ė					0.0						
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than Cli	norm	are the	m 05	DOD fo	r anch vin	lation Fined not less t	than \$10 or	mo	re than	\$100	\ nr	imprier	nad n	ot lees t	than 30	dave of	•		

than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Departi	nent of		al Re	sources	S		Solid Wa Emergend Wastewa	cy Respon	nse E	Un	z. Was dergro iter Re ier	ound				Form 440				_1	7.	-91
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					ers 144.14																	

both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

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Departi	ment of		al Re	esources	ste cy Respo ter	nse		Haz. V Under Water Other	gro	und '				Form 440			age _		•	7-91			
Facility Spiritle											Licens	e/P	ermi	t/M	Ionitori	ng N	umber	Bori	ng Nu				
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DNR F	acility \	Well N	o.	WI Un	ique Well	No.	Commo	n Well N	Vame						r Level MSL	1	rface Ele			Boreh			
Boring State Pl	ane _		\		N,				: S/C/I		- 1				5' 30	_	cal Grid		$\square_{\mathrm{N}}$	pplical			□ <sub>E</sub>
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San	ple								=	<u> </u>			<u></u>			-0		Soi	l Prope	rties			
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2-4' 4-6' 6-8' 8-10' 10-12' 12-14' 14-16' 16-18'				2 4 6 8 10 12 14 16	Black loa (glacial t Sand	ill)	soil over	med. bro	own sar	nd						1.9 1.7 1.7 1.6 0.7 12.6 1.2							
18-20'				18 20	# # # # # # # # # # # # # # # # # # #											1.8							
20-22'	ov cer	ifv the	<u> </u>	22	E.O.B =		s form i	s true a	nd co	rrec	et to t	ne	best			2.4 now	ledge						
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	Route To:  partment of Natural Resources  Solid Waste  Emergency Res  Wastewater									Un	z. Was dergro ter Re ier	ound '				Form 440					ATION 7-91 of <u>1</u>
Facility Spiritla	-									Lic	ense/I	Permi	t/N	/Ionitorii	ng Ni	ımber	Bori	ng Nur			J1
Boring U.S. F D. Bus	ilter	By (Fi	rm n	ame ar	nd name o	f crew c	chief)			0	e Dril	1	7	9 8	0		7	9 .	8/	rilling	Method obe
DNR Fa	100 miles	Well N	0.	WI Un	ique Well	No.	Commo	n Well N	ame	1	al Sta		ate	Y Y er Level	Su	rface Ele	vation	- 1	Boreh	ole Di	ameter
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than \$10	nor m	ore tha	n \$5.	,000 fo	ers 144.14 or each vio	lation.	Fined no	ot less tha	ompletio n \$10 or	n of	this re	port \$100	is n	nandator impriso	y, P	enalties: not less t	han 30	t not le days, o	ess or		

.00, wis. Stats. \_\_\_\_\_ f:c:\datafile\forms\4400122s.pl4

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DNR F		wen N	0.	wi On	ique Well	. <u> </u>	Comm	on Well i	vame					r Level MSL	- 1	N/A		1	Boreho _1.5		
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Sam	nle		1	•													Soi	1 Prope	rties	1	
Number	Length Recovered(in)	Blow Counts		Depth in Feet		And (	Geologi	Descriptio c Origin F jor Unit			USCS	Graphic	Log	Well Diagram	PID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
2-4' 5-7' 7-9' 11-13' 13-15'	ny cart	th∕≯ha		2 4 6 8 10 12 14 16	E.O.B =	15'		vn (glacial		rect	to the			of my k	1.2 2.4 3.6 2.6 98						
Signature		fam	_			ezi (U)6	, IVIIII	10 HUG 6	Fi	irm						_					
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	State of Wisconsin Route To: Department of Natural Resources															OIL B		G LOG	INFO	RMAT	
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County	<i>b</i>	> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ta	ge					DNR C		ty Cod	e 	Ci	vil Tow	n / Ci Mo	$\frac{\text{ty/or V}}{\sim 0}$	/illage				<b>4</b>
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Number	Length Recovered(in)	Blow Counts		Depth in Feet		And C		escription Origin F or Unit			USCS	Graphic	Fog	Well Diagram	PID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
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	partment of Natural Resources  Solid Waste Emergency Resources  Wastewater								nse	Un	z. Was dergro ater Re her	ound				Form 440			ige		7-91
	/Project						<del></del>			Lic	ense/I	Perm	it/N	/onitori	ng N	umber	Bori	ng Nun			
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County	1/4 of	-	SE		of Section	30	, T21	N, R	DNR C	Count	y Cod				n/C	Fee		□ <sub>S</sub> 	]	Feet	□ w
Sam	ple	<u>~</u>	1	ge_					5	<u></u>	<u> </u>	- l	I	1+1.	mo	<u>L</u>	Soi	Prope	rties		
Number	Length Recovered(in)	Blow Counts		Depth in Feet		And	/Rock De Geologic Each Majo	Origin Fo			nscs	Graphic	Log	Well Diagram	PID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
12-14' 14-16' 16-18' 18-20' 20-22'				12 14 16 18 20 22 24	Moist  " Water ta E.O.B =	ble at 2 24'									0 0 .7 .9						
L herek Signatur	. (	fy the	,		rmation	on thi	s form is	true ai	Firr	n				of my k		_					
than \$1	ris aut	horize	ed by	Chapt	ers 144.14 or each vio	lation.	Fined no	t less tha	ompletion \$10 or	n of mor	this re e than	port \$100	is n ) or	nandato impriso	ry. P	enalties: not less t	han 30	t not le days, o	ss r		

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U.S.FILTER

U.S. FILTER/ENVIROSCAN 301 WEST MILITARY ROAD ROTHSCHILD, WI 54474 TELEPHONE 715-359-7226 FACSIMILE 715-355-3221

May 14, 1998

ESP Group, Inc. Lampert Lee & Asso. 10968 Highway 54 East Wisconsin Rapids, WI 54494-8709

Attn: Janet Snedeker

Re: Probehole abandonment forms for Geoprobe work at the Spiritland Store site in Almond, WI

on April 17 & 23, 1998.

Dear Janet:

Enclosed are partially completed probehole abandonment forms for the above referenced project. Please complete sections 1 & 2 as appropriate and submit a copy of each to the WDNR in accordance with NR 141 requirements.

Thank you for using Geoprobe services from U.S. Filter/Enviroscan. If you have any questions, please call.

Sincerely,

U.S. FILTER / ENVIROSCAN

Dought & Schuli:

Douglas G. Schubring

Manager Environmental Services

dgs

Enclosures

(8) Comments:			
(9) Name of Person or Firm Doing Sea	ling Work	(10) FOR DNR OR CO	DUNTY USE ONLY
U.S. Filter		Date Received/Inspected	District/County
Signature of Person Doing Work	Date Signed		
2 aid and ascho	5-14-98	Reviewer/Inspector	Complying Work Noncomplying W
Street or Route	Telephone Number		☐ Noncomplying W
303 W. Military Road	(715) 359–7226	Follow-up Necessary	
City, State, Zip Code			
Rothschild, WI 54474			

#### WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5B Rev. 3-95

(1) GENERAL INFORMATION	(2) FACILITY NAME
Well/Drillhole/Borehole County	Original Well Owner (If Known)
	original well owner (in the way)
Location Portage	Present Well Owner
$\frac{5W}{\text{(If applicable)}}$ 1/4 of Sec. $\frac{3O}{\text{; T. 21 N; R. 9}}$ W	
(If applicable)	Street or Route
Gov't Lot Grid Number	
Grid Location	City, State, Zip Code
ft. N. S.,ft. E. W.	
	Facility Well No. and/or Name (If Applicable) WI Unique Well No.
Civil Town Name Town of Almond	(SB-2)
Street Address of Well	Reason For Abandonment
	Sampling Completed
City, Village	Date of Abandonment
	4–17–98
WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On	(4) Depth to Water (Feet) 22 ft.
(Date) 4-17-98	Pump & Piping Removed? Yes No W Not Applicable
4 17 70	Liner(s) Removed? Yes No Not Applicable
Monitoring Well Construction Report Available?	Screen Removed? Yes No Not Applicable
☐ Water Well ☐ Yes ☒ No	Casing Left in Place? Yes No
Drillhole	If No, Explain N/A
Borehole	
TX.	Was Casing Cut Off Below Surface? Yes No N/A
Construction Type:	Did Sealing Material Rise to Surface? X Yes No
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug	Did Material Settle After 24 Hours? Tes No
Other (Specify) Geoprobe	If Yes, Was Hole Retopped? Yes No
	(5) Required Method of Placing Sealing Material
Formation Type:	Conductor Pipe-Gravity Conductor Pipe-Pumped
☐ Unconsolidated Formation ☐ Bedrock	Dump Bailer
Total Well Depth (ft.) 26 ft. Casing Diameter (in.) N/A	(6) Sealing Materials For monitoring wells and
(From groundsurface) Casing Depth (ft.) N/A	Neat Cement Grout monitoring well boreholes only
(From groundsurface) Subling Depart (14)	Sand-Cement (Concrete) Grout
Lower Drillhole Diameter (in.) 1 in.	Concrete Bentonite Pellets
Lower Diffusion Diameter (III.)	Clay-Sand Slurry
Was Well Annular Space Grouted?	
If Yes, To What Depth? N/A Feet	Chipped Bentonite
11 100, 10 What Dopat.	Chipped Balloine
(7)	No. Yards, (Circle Mix Ratio
Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Scalant (Circle) with Auto-
	of volume
Benseal - Granular (dry)	Surface 26 ft. 13,500 mls. N/A
	20 11. 13,300
(8) Comments:	
(9) Name of Person or Firm Doing Sealing Work	(10) FOR DNR OR COUNTY USE ONLY
U.S. Filter	Date Received/Inspected District/County
Signature of Person Doing Work Date Signed	
Dri () and a soll 5-14-98	Reviewer/Inspector Complying Work
Street or Route Telephone Number	Noncomplying Work
303 W. Military Road (715)359-7226	Follow-up Necessary
City, State, Zip Code	, ,
Rothschild WI 5/4/74	

#### WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5B Rev. 3-95

(1) GENERAL INFORMATION		(2) FACIL	ITY NAME		
Well/Drillhole/Borehole	County	Original W	ell Owner (li	Known)	
Location	Portage				
5W 1/4 of SE 1/4 of Sec. 3	. /	Present We	ell Owner		
(If applicable)		Street or Re	oute		
Gov't Lot	Grid Number				
Grid Location		City, State,	Zip Code	· · · · · · · · · · · · · · · · · · ·	
ft. N. S.,	ft E W.		•		
Civil Town Name		Facility We	ll No. and/or	Name (If Applicable)	WI Unique Well No.
Fown of	Almond		5B-3		
Street Address of Well	Amonoc		Abandonme		<del></del>
Short Address of Wolf		Reason For	Abandonne	Sampling Co	mnleted
City, Village		Date of Ab	andonment	bampiing oo	mpreced
City, vinage		4-17-98			
WELL/DRILLHOLE/BOREHOLE					
(3) Original Well/Drillhole/Borehole	Construction Completed On	(4) Depth to	o Water (Feet	) NA	
(Date) <u>4-17-98</u>		Pump &	Piping Rem	oved? Yes	No Not Applicable
4-17-48	444444		Removed?		No Not Applicable
☐ Monitoring Well	Construction Report Available?		Removed?		No X Not Applicable
Water Well	Yes X No	1	Left in Place		
Drillhole	Li fes La No	If No, E		N/A LITES LI	No
		11110, 2	жріаш		
X Borehole		- TV - C-	-: - C + Off	D.1C. C 0	Yes No N/A
		1	_	Below Surface?	
Construction Type:		1	_		Yes No
_	ı (Sandpoint) 🔲 Dug	\$		After 24 Hours?	Yes No
Y Other (Specify)Geop	robe	If Yes	s, Was Hole F	Retopped?	Yes No
		(5) Require	d Method of	Placing Sealing Material	
Formation Type:	_	1 ' ' '	ductor Pipe-C		r Pipe-Pumped
☑ Unconsolidated Formation	☐ Bedrock		np Bailer	<del></del>	xplain) Poured full
m . 1111 11 D . d . (c. ) . d . a	Casing Diameter (in.) N/A	(6) Sealing	_•		
Total Well Depth (ft.) 24 ft.	` `	· · · — ·			onitoring wells and
(From groundsurface)	Casing Depth (ft.) N/A		t Cement Gro		oring well boreholes only
	1 5 dm		•	oncrete) Grout	
Lower Drillhole Diameter (in.)	L.J III.		crete		entonite Pellets
			/-Sand Slurry	, <u></u>	anular Bentonite
Was Well Annular Space Grouted			tonite-Sand S	- 1	entonite - Cement Grout
If Yes, To What Depth?	N/A Feet	Chip	pped Bentonia	te '	
(7) Material Used To F	ill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
			\	or Volume One)	Or Mind Averagin
Benseal - Granular (d	lry)	Surface	24 ft.	11,500 mls.	N/A
			-	11,500	
			<u> </u>	<b> </b>	
			Ī		
(0) (0			<u> </u>	<u> </u>	
(8) Comments:					
(0)					
(9) Name of Person or Firm Doing Sea	aling Work	(10)		DNR OR COUNTY U	
U.S. Filter		Date	Received/In	spected Di	strict/County
Signature of Person Doing Work	Date Signed				
abil and marker	5-14-98	Revi	ewer/Inspect	or $\square$	Complying Work
Street or Route	Telephone Number			ΙΠ	Noncomplying Work
303 W. Military Road	(715) 359-7226	Folk	ow-up Necesi	ary	1 ( 8
City, State, Zip Code	1				
Rothschild, WI 54474					
WOUNDCHILLU, MI 344/4		l			

#### WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5B Rev. 3-95

(1) GENERAL INFORMATION	(2) FACILITY NAME
Well/Drillhole/Borehole County	Original Well Owner (If Known)
Location Portage	
SW 1/4 of SE 1/4 of Sec. 30; T. 21 N; R. 9 W	Present Well Owner
(If applicable)	Street or Route
Gov't Lot Grid Number	
Grid Location	City, State, Zip Code
ft. N. S., ft. E. W.	D. W.
Civil Town Name	Facility Well No. and/or Name (If Applicable) WI Unique Well No.
Town of Almond Street Address of Well	(SB-4)
Sheet Address of Well	Sampling Completed
City, Village	Date of Abandonment
	4-17-98
WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On	(4) Depth to Water (Feet) NA
(Date) 4-17-98	Pump & Piping Removed? Yes No No Not Applicable
	Liner(s) Removed? Yes No No Not Applicable
Monitoring Well Construction Report Available?	Screen Removed? Yes No Not Applicable
☐ Water Well ☐ Yes ☒ No	Casing Left in Place? Yes No  If No. Explain N/A
Drillhole	If No, Explain N/A
W Borehole	Was Casing Cut Off Below Surface? Yes No N/A
Construction Type:	Did Sealing Material Rise to Surface? Yes No
Drilled Driven (Sandpoint) Dug	Did Material Settle After 24 Hours? Yes No
Other (Specify) Geoprobe	If Yes, Was Hole Retopped? Yes No
	(5) Required Method of Placing Sealing Material
Formation Type:	Conductor Pipe-Gravity Conductor Pipe-Pumped
☐ Unconsolidated Formation ☐ Bedrock	Dump Bailer Stavity Conductor ripe-rumper Stavity Conductor ripe-r
Total Well Depth (ft.) 20 ft Casing Diameter (in.) N/A	(6) Sealing Materials For monitoring wells and
(From groundsurface) Casing Depth (ft.) N/A	Neat Cement Grout monitoring well boreholes only
	Sand-Cement (Concrete) Grout
Lower Drillhole Diameter (in.) 1.5 in.	☐ Concrete ☐ Bentonite Pellets
	Clay-Sand Slurry
Was Well Annular Space Grouted?	· <u> </u>
If Yes, To What Depth? N/A Feet	Chipped Bentonite
	I No Vode
(7) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant One) Or Mud Weight
	OI VOIMILE -
Benseal - Granular (dry)	Surface 20 ft. 9,000 mls. N/A
(8) Comments:	
(o) Commons.	
(9) Name of Person or Firm Doing Sealing Work	(10) FOR DNR OR COUNTY USE ONLY
U.S. Filter	Date Received/Inspected District/County
Signature of Person Doing Work Date Signed	
Dai O and result 5-14-98	Reviewer/Inspector Complying Work
Street or Route Telephone Number	Noncomplying Work
303 W. Military Road (715) 359-7226	Follow-up Necessary
City, State, Zip Code	
Rothschild, WI 54474	

#### WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5B Rev. 3-95

(1) GENERAL INFORMATION		(2) FACILITY NAME										
Well/Drillhole/Borehole	County	Original Well Owner (If Known)										
Location	Portage	Proport Well Owner										
5W 1/4 of SE 1/4 of Sec. 3	30; T.2) N; R. 9 N	Present Well Owner										
(If applicable)		Street or Ro	oute									
Gov't Lot	Grid Number											
Grid Location ft. N. S.,	ft. E. W.	City, State,	-									
Civil Town Name	· -	Facility We	/	Name (If Applicable)	WI Unique Well No.							
Town of Alm	ond		(SB-5									
Street Address of Well		Reason For	Abandonme									
C'a V'II		Data of Ab		Sampling Co	ompreted							
City, Village		Date of Abandonment 4-17-98										
WELL/DRILLHOLE/BOREHOLE												
(3) Original Well/Drillhole/Borehole	e Construction Completed On		Water (Feet	·								
(Date) <u>4-17-98</u>			Piping Remo	oved?	No Not Applicable							
_	1		Removed?	☐ Yes ☐								
Monitoring Well	Construction Report Available?		Removed?	Yes 🔲								
Water Well	☐ Yes ☒ No	_	Left in Place?	N/A Yes [	No							
Drillhole	1	If No, E	xpiain	N/ A								
y Borehole		Was Ca	cina Cut Off	Below Surface?	Yes No N/A							
Construction Times		i	-	Rise to Surface?								
Construction Type:	n (Sandpoint) Dug	1	_	fter 24 Hours?	Yes No							
	n (Sandpoint) L Dug		, Was Hole R		Yes No							
GEOD	тове			<u></u>								
Formation Type:				Placing Sealing Materia								
▼ Unconsolidated Formation	☐ Bedrock	. =	ductor Pipe-G	· <del>=</del>	or Pipe-Pumped							
m . 177 117 11 (6) 15 55	Casing Diameter (in.) N/A	(6) Sealing	p Bailer		Explain) Poured ful							
Total Well Depth (ft.) 15 ft. (From groundsurface)	Casing Diameter (in.) N/A Casing Depth (ft.) N/A	l	Cement Gro		nonitoring wells and toring well boreholes only							
(Fiolit groundsurace)	Casing Deput (i.e.)	. =		oncrete) Grout	noring wen borenoles only							
Lower Drillhole Diameter (in.)	1.5 in.	Cone			entonite Pellets							
Lewer Brancie Brances (m.)	1.1.7		-Sand Slurry	' == -	ranular Bentonite							
Was Well Annular Space Groute	d?		onite-Sand S	1 ====	entonite - Cement Grout							
If Yes, To What Depth?			ped Bentonit	· ; —								
(7) Material Used To F	EII Wall/Delikala	Б Ф	m	No. Yards, (Circle	Mix Ratio							
Material Used 10 F	III Well/Dhilhole	From (Ft.)	To (Ft.)	Sacks Sealant One)	or Mud Weight							
		Surface	15 ft.		NT / A							
Benseal - Granular (	dry)	Surrace	15 16.	8,500 mls	. N/A							
(8) Comments:					<del></del>							
(-)												
(9) Name of Person or Firm Doing Se	aling Work	((10)	FOR	DNR OR COUNTY	ISEONLY							
U.S. Filter	<b>J</b> · ·····	Date Received/Inspected District/County										
Signature of Person Doing Work	Date Signed				•							
Doril and home	5-14-98	Revi	ewer/Inspect	Of T	Complying Work							
Street or Route	Telephone Number		•	IF	Noncomplying Work							
303 W. Military Road	(715) 359–7226	Follo	)w-up Necess	ary	4.6. 5							
City, State, Zip Code												
Pothsobild UT 5//7/												

### WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Department of Natural Resources Form 3300-5B Rev. 3-95

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

whichever is applicable. Also, see instructions on back. (2) FACILITY NAME (1) GENERAL INFORMATION Original Well Owner (If Known) County Well/Drillhole/Borehole Location Present Well Owner SW 1/4 of SE 1/4 of Sec. 30; T. 2 N; R. Street or Route Grid Number Gov't Lot City, State, Zip Code Grid Location ft. | E. | W. Civil Town Name Facility Well No. and/or Name (If Applicable) WI Unique Well No. (SB-6) Town of Street Address of Well Reason For Abandonment Sampling Completed City, Village Date of Abandonment 4-17-98 WELL/DRILLHOLE/BOREHOLE INFORMATION (3) Original Well/Drillhole/Borehole Construction Completed On (4) Depth to Water (Feet) Yes No V Not Applicable 4-17-98 Pump & Piping Removed? Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Construction Report Available? Screen Removed? Yes No No Not Applicable Monitoring Well Casing Left in Place? Yes No Water Well ☐ Yes ☐ No N/A If No, Explain Drillhole y Borehole N/A Was Casing Cut Off Below Surface? Yes No Did Sealing Material Rise to Surface? Yes No Construction Type: Dug Did Material Settle After 24 Hours? Yes No Drilled Driven (Sandpoint) If Yes, Was Hole Retopped? Other (Specify) Yes No Geoprobe (5) Required Method of Placing Sealing Material Formation Type: Conductor Pipe-Gravity Conductor Pipe-Pumped ☑ Unconsolidated Formation ☐ Bedrock Dump Bailer Y Other (Explain) Poured full (6) Sealing Materials For monitoring wells and Total Well Depth (ft.) 22 ft. Casing Diameter (in.) Casing Depth (ft.) (From groundsurface) ☐ Neat Cement Grout monitoring well boreholes only Sand-Cement (Concrete) Grout Lower Drillhole Diameter (in.) 1.5 in. Concrete Bentonite Pellets Clay-Sand Slurry □ Granular Bentonite ☐ Bentonite-Sand Slurry ☐ Bentonite - Cement Grout If Yes, To What Depth? N/A Chipped Bentonite No. Yards, Sacks Sealant (7) (Circle One) Mix Ratio or Mud Weight Material Used To Fill Well/Drillhole From (Ft.) To (Ft.) or Volume Surface 12,500 22 ft. mls N/A Benseal - Granular (dry) (8) Comments: (9) Name of Person or Firm Doing Sealing Work FOR DNR OR COUNTY USE ONLY Date Received/Inspected District/County U.S. Filter Signature of Person Doing Work Date Signed Docil androw Complying Work 5-14-98 Reviewer/Inspector Street or Route Telephone Number Noncomplying Work (715) 359-7226 Follow-up Necessary 303 W. Military Road City, State, Zip Code Rothschild, WI 54474

#### WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5B Rev. 3-95

(1) GENERAL INFORMATION		(2) FACII	ITY NAME									
Well/Drillhole/Borehole	County	Original Well Owner (If Known)										
Location	Portage	O. I.B.	(		•							
	~ FM	Present We	ll Owner									
SW 1/4 of SE 1/4 of Sec. 3	30 ; T. 21 N; R. 9											
(If applicable)		Street or Ro	oute									
Gov't Lot	Grid Number											
Grid Location	·	City, State,	Zip Code									
ft. N. S.	ft. E. W.											
Civil Town Name	a	Facility We		Name (If Applicable)	WI Unique Well No.							
Town of Alm Street Address of Well	riona	D	(SB-	<u> </u>								
Street Address of Well		Keason For	Abandonme	nı Sampling Co	nmnleted							
City, Village		Date of Ab	andonment	- Jampiing Oc	Jiipieteu							
City, Village		4-23-9										
WELL/DRILLHOLE/BOREHOLE	INFORMATION											
(3) Original Well/Drillhole/Borehole		(4) Depth to	Water (Feet	) <u>21 ft</u> .								
(Date) 4-23-98	f	Pump &	Piping Rem		No Not Applicable							
	_	Liner(s)	Removed?	☐ Yes ☐								
Monitoring Well	Construction Report Available?	Screen I	Removed?	☐ Yes ☐								
☐ Water Well	Yes X No	Casing 1	Left in Place									
Drillhole		If No, E	xplain	N/A								
X Borehole				······································								
			_	Below Surface?	Yes No N/A							
Construction Type:	<b>□ D</b>	1	-	Rise to Surface?	! ==							
	n (Sandpoint) Dug	1		After 24 Hours?	Yes No							
v. Other (Specify)Geor	probe	L	, Was Hole F		Yes No							
Formation Type:		(5) Required Method of Placing Sealing Material										
Unconsolidated Formation	☐ Bedrock		ductor Pipe-C	Gravity Conduct	or Pipe-Pumped							
			ip Bailer		Explain) Poured ful							
Total Well Depth (ft.) 24 ft.		(6) Sealing			monitoring wells and							
(From groundsurface)	Casing Depth (ft.) $\frac{N/A}{}$	. ==	t Cement Gro		itoring well boreholes only							
		l ===		oncrete) Grout	1.							
Lower Drillhole Diameter (in.)	L.5 in.	! ==	crete	· ==	Sentonite Pellets							
Was Wall Appular Space Grouts	do O Vas O Na O University	Clay-Sand Slurry  Bentonite-Sand Slurry  Bentonite - Cement Grout										
If Yes, To What Depth?	d? Yes No Unknown N/A Feet	Bentonite - Cement Grout										
ii ies, io what Depuir	N/A Feet		pped Delitoill	ic .								
(7)				No. Yards, (Circl	e Mix Ratio							
Material Used To F	fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant One)								
		C			<del>                                     </del>							
Benseal - Granular (	dry)	Surface	24 ft.	12,500 mls	N/A							
				1								
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		ļ	İ									
(8) Comments:												
(6) Conuncitis.			<del> </del>		<del></del>							
(9) Name of Person or Firm Doing Se	ealing Work	8(1)	FOR	DNR OR COUNTY	HSE ONLY							
		200000000	Received/In		District/County							
U.S. Filter Signature of Person Doing Work	Date Signed		VITAUAII									
Dorid androwth	5-14-98	Revi	ewer/Inspect	of IT	Complying Work							
Street or Route	Telephone Number			-	Noncomplying Work							
_ 303 W. Military Road	(715) 359-7226	Folk	ow-up Neces	SALTY In								
City, State, Zip Code												
Rothschild WT 54474												

## WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5B Rev. 3-95

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

whichever is applicable. Also, see	instructions on back.											
(1) GENERAL INFORMATION		(2) FACILITY NAME										
Well/Drillhole/Borehole Location	County Portage	Original W	ell Owner (If	Known)								
SW 1/4 of SE 1/4 of Sec. 3		Present We	ll Owner	<u> </u>								
(If applicable) Gov't Lot	Grid Number	Street or Re	oute									
Grid Location		City, State,	, Zip Code	·								
Civil Town Name Town of Al		Facility Well No. and/or Name (If Applicable) WI Unique Well No.										
Street Address of Well	mona	Reason For Abandonment										
City, Village		Date of Ab		Sampling Co	mpreted							
		4-23-98	3									
WELL/DRILLHOLE/BOREHOLE			· · · · · · · · · · · · · · · · · · ·									
(3) Original Well/Drillhole/Borehole	Construction Completed On		Water (Feet	· · · · · · · · · · · · · · · · · · ·								
(Date) 4-23-98			Piping Rem		T							
		i	Removed?	Yes								
Monitoring Well	Construction Report Available?	l .	Removed? Left in Place?	Yes								
Water Well	☐ Yes ☒ No	If No, E		N/A Yes	No							
Drillhole		II NO, E	хріані	11/11								
y Borehole		Was Ca	sing Cut Off	Below Surface?	Yes No N/A							
Construction Type:			-	Rise to Surface?	Yes No							
<b>—</b>	n (Sandpoint) Dug	Did Material Settle After 24 Hours? Yes No										
<b>=</b>	robe		, Was Hole R		Yes No							
φ outer (openly) <u>Geop</u>	1006				•••••							
Formation Type:	□ p. t t.		ed Method of ductor Pipe-C	Placing Sealing Material Gravity Conductor	т Pipe-Pumped							
☑ Unconsolidated Formation	☐ Bedrock	Dun Dun	np Bailer	Other (E	xplain) Poured ful							
Total Well Depth (ft.) 24 ft.	Casing Diameter (in.) N/A	(6) Sealing	Materials	For m	onitoring wells and							
(From groundsurface)	Casing Depth (ft.) N/A	☐ Nea	t Cement Gro	ut monit	oring well boreholes only							
_		Sane	d-Cement (Co	oncrete) Grout								
Lower Drillhole Diameter (in.)	.5 in.	_	crete		entonite Pellets							
			y-Sand Slurry		anular Bentonite							
_	d?	-	tonite-Sand S	·   —	entonite - Cement Grout							
If Yes, To What Depth?	N/A Feet	│	pped Bentonit	i <b>e</b>								
(7) Material Used To F	ill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant (Circle or Volume One)	Mix Ratio or Mud Weight							
Benseal - Granular (d	1	Surface	24 ft.	13,500 mls.								
Bensear - Granutar (C	IFy)			, 111.5	N/A							
***												
(9) Comments												
(8) Comments:												
(9) Name of Person or Firm Doing Sea	aling Work	3 000000000		DNR OR COUNTY U								
U.S. Filter		Date	Received/In:	spected Di	strict/County							
Signature of Person Doing Work	Date Signed 5-14-98		a a									
Said androsille		Kevi	ower/Inspect	Of D	Complying Work							
Street or Route	Telephone Number		A.V		Noncomplying Work							
303 W. Military Road	(715) 359-7226	Folk	ow-up Necesi	ary								
City, State, Zip Code												

state of	Wisconsin	
)cpartm	ent of Natura	d Resources

### SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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																Page		_ of	<u> </u>
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VI U	nique V	Vell N	О.	DNR	Well ID	No.	Well Name		Final	Final Static Water Level Surface Elevation Borehole Dian    NA   Feet MSL   NA   Feet MSL   1.5   inc									
Local	Grid C	rigin	(es	stimated	l: 🖂 ) N.	or Bor	ing Location E	S/C/N	Local Grid Location										
5W 1/4 of SE 1/4 of Section 30, T21 N, R 9 @W										Long 89 ° 27' 50" Feet S Feet County Code Civil Town/City/ or Village							□ E □ W		
Facility ID County Portage -											Civil	Town/ A\	City/ o ^^_^\	r Villa	ge				
San			lace)				•								Soil	Prope	rties		
. <b>v</b>	Length Att. & Recovered (in)	ounts	Depth in Feet (Below ground surface)				k Description ogic Origin Fo	or .				_		sive			_		SJI
Number and Type	Length Att. Recovered (	Blow Counts	pth in				Major Unit			uscs	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
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his 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 us 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.

State o	f Wisconsin	
Depart	ment of Natura	d Resources

#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

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Number and Type Length Att. & Recovered (in)	Depth in Feet (Below ground surface)		Each M	Iajor Unit			usc	Graphic Log	Well Diagram	ан/ан	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
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hereby certify the	ereby certify that the information on this form is true and correct to the best of my knowledge.																
gnature Juna									Firm Lampert-Lee + Associates								

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State of Wisconsi	in
Department of No	atural Resources

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### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

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his 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 is 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. rersonally 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.

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State of Wiscon	nsin	
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#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

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Washington									_							Page		_ of	1		
Facili	ty/Proje	ct Na	me . una	5 (	tore	· U	IST		Licens	se/Pern	nit/Mo	nitorin	g Nun	iber	Borin	S Num S I	ber 3-17	2			
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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 his 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.

State of Wisconsin	
Department of Natural	Resources

#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Watershed/Wastewater Waste Management Route To: Remediation/Revelopment Other Page License/Permit/Monitoring Number Facility/Project Name Boring Number Boring Drilled By: Name of crew chief (first, last) and Firm Date Drilling Completed Date Drilling Started Last Name: First Name: D. Fim: US DNR Well ID No. WI Unique Well No. Well Name Final Ştatic Water Level N/A Feet MSL N/A Feet MSL \_inches Local Grid Origin (estimated: ) or Boring Location 
State Plane N, E S/C/N Local Grid Location La:44015'30"  $\Box$  E 5W 1/4 of 5 E 1/4 of Section 30 . T Z (E)W Feet□ W County Code Civil Town/City/ or Village County Sample Soil Properties Depth in Feet (Below ground surface) Recovered (in) Soil/Rock Description Blow Counts Length Att. RQD/ Comments And Geologic Origin For Plasticity Index SCS PID/FID Moisture Content Graphic Log Well Diagram Each Major Unit Liquid Limit Blind drilled to 25' End of Boring hereby certify that the information on this form is true and correct to the best of my knowledge. ignature Firm Associates ee +

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 his 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.

State of Wisconsin WELL/DRILLHOLE/BOREHOLE ABANDONMENT Department of Natural Resources All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back. (2) FACILITY NAME (1) GENERAL INFORMATION Original Well Owner (If Known) County Well/Drillhole/Borehole Location Present Well Owner SW 1/4 of SE 1/4 of Sec. 30 (If applicable) Street or Route Grid Number Gov't Lot Grid Location City, State, Zip Code £ПЕП W. Civil Town Name Facility Well No. and/or Name (If Applicable) WI Unique Well No. Almon Reason For Abandonment Street Address of Well Sampling Completed Date of Abandonment City, Village 5-21-98 WELL/DRILLHOLE/BOREHOLE INFORMATION (3) Original Well/Drillhole/Borehole Construction Completed On (4) Depth to Water (Feet) ☐ Yes ☐ No ☑ Not Applicable Pump & Piping Removed? Liner(s) Removed? Yes No No Applicable Construction Report Available? Screen Removed? Monitoring Well ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? Water Well Yes X No Yes No N/A Drillhole If No, Explain w Borehole Was Casing Cut Off Below Surface? Yes No Did Sealing Material Rise to Surface? Yes No Construction Type: ☐ Dug Did Material Settle After 24 Hours? Yes No Drilled ☐ Driven (Sandpoint) If Yes, Was Hole Retopped? Other (Specify) Yes No Geoprobe (5) Required Method of Placing Sealing Material Formation Type: Conductor Pipe-Gravity Conductor Pipe-Pumped ▼ Unconsolidated Formation ☐ Bedrock Dump Bailer Other (Explain) Poured full N/A (6) Sealing Materials Total Well Depth (ft.) 24 Casing Diameter (in.) For monitoring wells and Casing Depth (ft.) (From groundsurface) ☐ Neat Cement Grout monitoring well boreholes only Sand-Cement (Concrete) Grout Lower Drillhole Diameter (in.) 1.0 Concrete Bentonite Pellets Clay-Sand Slurry Granular Bentonite Bentonite - Cement Grout Bentonite-Sand Slurry If Yes, To What Depth? N/A Chipped Bentonite No. Yards,

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant or Volume	One)	or Mud Weight
Benseal - Granular (dry)	Surface	24	4,000	mls.	N/A
) Comments:					

Signature of Person Doing Work	Date Signed
exed (habiter	1572596
Street or Route	Telephone Number
303 W. Military Road	(715) 359-7226

(10)	FOR DNR	OR COUNT	Y USE ONLY	
Date Rece	ived/Inspecto	I	District/County	
Reviewer/	Inspector		Complyin Noncomp	g Work lying Work
Follow-up	Necessary			

State of Wisconsin WELL/DRILLHOLE/BOREHOLE ABANDONMENT Department of Natural Resources Form 3300-5B Rev. 3-95 All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back. (2) FACILITY NAME (1) GENERAL INFORMATION Original Well Owner (If Known) Well/Drillhole/Borehole Present Well Owner Street or Route Gov't Lot Grid Number City, State, Zip Code Grid Location ft. DE W. Civil Town Name Facility Well No. and/or Name (If Applicable) WI Unique Well No. SB-10 DWN Reason For Abandonment Street Address of Well Sampling Completed Date of Abandonment City, Village 5-21-98 WELL/DRILLHOLE/BOREHOLE INFORMATION (3) Original Well/Drillhole/Borehole Construction Completed On (4) Depth to Water (Feet) Pump & Piping Removed? Yes No W Not Applicable 5-21-98 Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? Construction Report Available? ☐ Yes ☐ No ☒ Not Applicable Monitoring Well Casing Left in Place? Yes X No Water Well ☐ Yes ☐ No N/A If No, Explain Drillhole y Borchole Was Casing Cut Off Below Surface? Yes No Did Sealing Material Rise to Surface? Yes No Construction Type: Yes No ☐ Dug Did Material Settle After 24 Hours? Drilled ☐ Driven (Sandpoint) If Yes, Was Hole Retopped? Other (Specify) Yes No Geoprobe (5) Required Method of Placing Sealing Material Formation Type: Conductor Pipe-Pumped Conductor Pipe-Gravity ☑ Unconsolidated Formation ☐ Bedrock Dump Bailer Other (Explain) Poured full Casing Diameter (in.) (6) Scaling Materials Total Well Depth (ft.) 24 For monitoring wells and Casing Depth (ft.) (From groundsurface) Neat Cement Grout monitoring well boreholes only Sand-Cement (Concrete) Grout ☐ Concrete Lower Drillhole Diameter (in.) \_\_1.0 Bentonite Pellets Clay-Sand Slurry y Granular Bentonite ☐ Bentonite - Cement Grout Was Well Annular Space Grouted? Yes No Unknown ☐ Bentonite-Sand Slurry If Yes, To What Depth? N/A ☐ Chipped Bentonite No. Yards, Sacks Sealant (7) (Circle Mix Ratio or Mud Weight Material Used To Fill Well/Drillhole From (Ft.) To (Ft.) One) or Volume Surface 24 6,000 N/A mls. Benseal - Granular (dry)

(8) Comments:

(9) Name of Person or Firm Doing Sea Enviroscan Corp.	aling Work
Signature of Person Doing Work	Date Signed 572474
Street or Route	Telephone Number
303 W. Military Road	(715) 359-7226
City, State, Zip Code	
Pothschild WT 54474	

(10)	FOR DNR OR CO	UNTY USE ONLY	
Date Receiv	red/Inspected	District/Coun	ty
Reviewer/Ir	urbector	Comply Noncom	ing Work
Follow-up l	Necessary		

### WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION	(2) FACILITY NAME						
Well/Drillhole/Rosehole County	Original Well Owner (If Known)						
Location Portage	D						
SW 1/4 of SE 1/4 of Sec. 30; T. 21 N; R. 9 W	Present Well Owner						
(If applicable)  Gov't Lot Grid Number	Street or Route						
Grid Location	City, State, Zip Code						
ft. N. S., ft. E W.	Facility Well No. and/or Name (If Applicable) WI Unique Well No.						
Town of Almond	SB-11						
Street Address of Well	Reason For Abandonment Sampling Completed						
City, Village	Date of Abandonment						
WELL/DRILLHOLE/BOREHOLE INFORMATION	5-21-98						
(3) Original Well/Drillhole/Borehole Construction Completed On	(4) Depth to Water (Feet) 25						
(Date) 5-21-98	Pump & Piping Removed?  Yes No Not Applicable						
Monitoring Well Construction Report Available?	Liner(s) Removed?  Yes No Not Applicable  Screen Removed?  Yes No Not Applicable						
Water Well Yes No	Casing Left in Place? Yes No						
Drillhole -	If No, Explain N/A						
	Was Casing Cut Off Below Surface? Yes No N/A						
Construction Type:	Did Sealing Material Rise to Surface? X Yes No						
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug	Did Material Settle After 24 Hours? Yes No						
v. Other (Specify) <u>Geoprobe</u>	If Yes, Was Hole Retopped? Yes No						
Formation Type:	(5) Required Method of Placing Scaling Material						
☐ Unconsolidated Formation ☐ Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped Dump Bailer X Other (Explain) Pour ed full						
Total Well Depth (ft.) 25 Casing Diameter (in.) N/A	Dump Bailer Other (Explain) Poured full  (6) Sealing Materials For monitoring wells and						
(From groundsurface) Casing Depth (ft.) N/A	☐ Neat Cement Grout monitoring well boreholes only						
Lawren Delline L. Dir. et al. 1. 0	Sand-Cement (Concrete) Grout						
Lower Drillhole Diameter (in.) 1.0	☐ Concrete ☐ Bentonite Pellets . ☐ Clay-Sand Slurry ☐ Granular Bentonite						
Was Well Annular Space Grouted?							
If Yes, To What Depth? N/A Feet	Chipped Bentonite						
(7) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant (Circle Mix Ratio Con) (Circle Mix Ratio Con)						
Waterial Cook for in Well-Dillinoid	or Volume One) or Mud Weight						
Benseal - Granular (dry)	Surface 25 6,500 mls. N/A						
J							
(8) Comments:							
(0) N (D E. D C W.							
(9) Name of Person or Firm Doing Scaling Work Enviroscan Corp.	(10) FOR DNR OR COUNTY USE ONLY Date Received/Inspected District/County						
Signature of Person Doing Works  Date Signed							
2 Soul ( Ind Loss la 525 St	Reviewer/Inspector Complying Work						
Street or Route Telephone Number	Noncomplying Work						
303 W. Military Road (715) 359-7226 City, State, Zip Code	Follow-up Necessary						
······································							

#### WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

Il abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION	(2) FACILITY NAME							
Well/Drillhole/Borehole	County D	Original We	ll Owner (If	Known)				
Location	Portage							
SW 1/4 of SE 1/4 of Sec. 3		Present Wel	l Owner					
(If applicable)		Street or Ro	ute					
Gov't Lot	Grid Number							
Grid Location ft. N. S.,	ft. □ E. □ W.	City, State,	Zip Code					
Civil Town Name	A	Facility Wel	l No. and/or	Name (If Applica	ble)	WI Unique Well No.		
Town of	Almond		5B-12		•	l		
Street Address of Well		Reason For	Abandonmer	nt				
UNIVERSITY OF THE PROPERTY OF				Samplin	g Com	pleted		
City, Village		Date of Aba	indonment					
		5-21-98						
WELL/DRILLHOLE/BOREHOLE			<b>717</b> 78 (					
(3) Original Well/Drillhole/Borehole	e Construction Completed On	-	Water (Feet)					
(Date) <u>5-21-98</u>			Piping Remo	oved? Ye	3 🔲 ]	**-		
elevanorises	1	, , ,	Removed?	☐ Ye		No Not Applicable		
Monitoring Well	Construction Report Available?		lemoved?		s 🔲 1			
Water Well	☐ Yes ☒ No	_	eft in Place?	N/A TY	s 🔲 ]	No		
Drillhole -		If No, E	chiani	11/21				
Borehole		Was Car	ing Cut Off l	Below Surface?		Yes No N/A		
Construction Type:			-	Rise to Surface?		Yes No		
	n (Sandpoint) Dug		•	fter 24 Hours?	-	Yes No		
	probe		, Was Hole R		The same of	Yes No		
The case (speed)	TODE							
Formation Type:		1		Placing Scaling M				
Unconsolidated Formation	☐ Bedrock		luctor Pipe-G			Pipe-Pumped		
<b>7</b> . 1 <b>7.</b> 17. 17. 17. 17. 17. 17. 17. 17. 17. 17.	Casing Diameter (in.) N/A	(6) Sealing	p Bailer	LX O		plain) Poured full		
Total Well Depth (ft.) 25 (From groundsurface)	Casing Diameter (in.) N/A Casing Depth (ft.) N/A					onitoring wells and		
(From grodiusuriace)	Cashig Deput (it.)	Neat Cement Grout monitoring well boreholes only						
Lower Drillhole Diameter (in.)	1.0	Sand-Cement (Concrete) Grout Concrete Bentonite Pellets						
1		Clay-Sand Slurry Y Granular Bentonite						
Was Well Annular Space Groute	ed?							
If Yes, To What Depth?			ped Bentonit					
-								
(7) Material Used To I	Fill Well/Drillhole	From (Ft.)	To (Ft.)	Decky ocaranii	(Circle One)	Mix Ratio or Mud Weight		
.3		` '	` ′	or Volume	One	or Mud Weight		
Benseal - Granular (	dry)	Surface	25	8,000	mls.	N/A		
. 3								
(8) Comments:		<u> </u>		<u> </u>				
(o) Comments:								
(9) Name of Person or Firm Doing S	ealing Work	(40)	EOD	DNR OR COU	NAME AND	SE ONLY		
Enviroscan Corp.	VIIIII TI VAR		Received/Ins			strict/County		
Signature of Person Doing Work	Date Signed	1		·k		a continuity		
Dréil Chould	5-24-96	Revi	ewer/Inspect	Off	٦'n	Complying Work		
Street or Route	Telephone Number		•			Noncomplying Work		
303 W. Military Road	(715) 359-7226	Folk	w-up Necesi	ary				
City, State, Zip Code			•	-				
Rothschild, WI 54474					control <b>T</b> eta ya Ya			

## WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5B Rev. 3-95

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME							
Well/Drillhole/Borehole	County	Original We	ll Owner (If	Known)					
Location	Portage								
5W 1/4 of 51€ 1/4 of S∞c. 3		Present Wel	l Owner						
(If applicable)	, 1. <u>5. 1</u> , 10	Street or Ro	ute						
Gov't Lot	Grid Number	ou sor or no							
Grid Location		City, State,	Zip Code						
ft. N. S.			•						
Civil Town Name		Facility Wel	l No. and/or	Name (If Applicabl	e) WI Unique Well No.				
Town	of Almond		513-17						
Street Address of Well		Reason For	Abandonmer	nt .					
or Control of the Con		*		Sampling	Completed				
City, Village		Date of Aba	ndonment						
		5-21-9	3						
WELL/DRILLHOLE/BOREHOLE	INFORMATION								
(3) Original Well/Drillhole/Borehol	e Construction Completed On	(4) Depth to	Water (Feet)	25					
(Date) 5-21-98		Pump &	Piping Remo	oved? Yes	☐ No ☑ Not Applicable				
		-	Removed?	☐ Yes	<u> </u>				
Monitoring Well	Construction Report Available?	Screen F	lemoved?		No Not Applicable				
☐ Water Well	Yes X No	Casing I	eft in Place?						
Drillhole -		If No, E	mlain	N/A					
☑ Borehole	1		•						
Dorcino.		Was Cas	ing Cut Off	Below Surface?	Yes No N/A				
Construction Type:				Rise to Surface?	Yes No				
	n (Sandroint) Dug		-	fter 24 Hours?	☐ Yes ☐ No				
	ir (omrebourt)		Was Hole R		☐ Yes ☐ No				
Cuter (Specify)Geo	probe								
Formation Type:		(5) Require	d Method of	Placing Sealing Ma	terial				
Y Unconsolidated Formation	☐ Bedrock	Conc	luctor Pipe-G	Gravity Cond	ductor Pipe-Pumped				
Checksondated Politation	· ·		p Bailer	∑ Oth	r (Explain) Poured full				
Total Well Depth (ft.) $\frac{25}{}$	Casing Diameter (in.) N/A	(6) Scaling	Materials	F	or monitoring wells and				
(From groundsurface)	Casing Depth (ft.) N/A	Neat Cement Grout monitoring well boreholes only							
CONTRACTOR COST		Sand-Cement (Concrete) Grout							
Lower Drillhole Diameter (in.)	Lower Drillhole Diameter (in ) 1.0			Concrete Bentonite Pellets					
	1.0	L Con		1 L.	Bentonite Pellets				
-5000000		Clay	-Sand Slurry		Granular Bentonite				
Was Well Annular Space Groute	ed?	Clay	-Sand Slurry onite-Sand S	1 3					
Was Well Annular Space Groute If Yes, To What Depth?	ed?	Clay	-	ilurry [	Granular Bentonite				
If Yes, To What Depth?	ed?	Clay	onite-Sand S	Slurry [	Granular Bentonite				
If Yes, To What Depth?	ed? Yes No Unknown	Clay Beni Chip	onite-Sand S ped Bentonit	No. Yards. (C	Granular Bentonite Bentonite - Cement Grout				
If Yes, To What Depth?	ed? Yes No Unknown	Clay	onite-Sand S	No. Yards. (C	Granular Bentonite Bentonite - Cement Grout				
If Yes, To What Depth?	ed?	Clay Beni Chip	onite-Sand S ped Bentonit To (Ft.)	No. Yards, Sacks Sealant or Volume	Granular Bentonite Bentonite - Cement Grout Circle Mix Ratio One) or Mud Weight				
If Yes, To What Depth?	ed?	Clay Bent Chip	onite-Sand S ped Bentonit	No. Yards, Sacks Sealant or Volume	Granular Bentonite Bentonite - Cement Grout				
If Yes, To What Depth?	ed?	Clay Bent Chip	onite-Sand S ped Bentonit To (Ft.)	No. Yards, Sacks Sealant or Volume	Granular Bentonite Bentonite - Cement Grout Circle Mix Ratio One) or Mud Weight				
If Yes, To What Depth?	ed?	Clay Bent Chip	onite-Sand S ped Bentonit To (Ft.)	No. Yards, Sacks Sealant or Volume	Granular Bentonite Bentonite - Cement Grout Circle Mix Ratio One) or Mud Weight				
If Yes, To What Depth?	ed?	Clay Bent Chip	onite-Sand S ped Bentonit To (Ft.)	No. Yards, Sacks Sealant or Volume	Granular Bentonite Bentonite - Cement Grout Circle Mix Ratio One) or Mud Weight				
If Yes, To What Depth?	ed?	Clay Bent Chip	onite-Sand S ped Bentonit To (Ft.)	No. Yards, Sacks Sealant or Volume	Granular Bentonite Bentonite - Cement Grout Circle Mix Ratio One) or Mud Weight				
If Yes, To What Depth?	ed?	Clay Bent Chip	onite-Sand S ped Bentonit To (Ft.)	No. Yards, Sacks Sealant or Volume	Granular Bentonite Bentonite - Cement Grout Circle Mix Ratio One) or Mud Weight				
(7) Material Used To  Benseal - Granular (	ed?	Clay Bent Chip	onite-Sand S ped Bentonit To (Ft.)	No. Yards, Sacks Sealant or Volume	Granular Bentonite Bentonite - Cement Grout Circle Mix Ratio One) or Mud Weight				
If Yes, To What Depth?	ed?	Clay Bent Chip	onite-Sand S ped Bentonit To (Ft.)	No. Yards, Sacks Sealant or Volume	Granular Bentonite Bentonite - Cement Grout Circle Mix Ratio One) or Mud Weight				
If Yes, To What Depth?	ed?	Clay Bent Chip From (Ft.) Surface	onite-Sand Siped Bentonit  To (Ft.)  25	No. Yards, Sacks Sealant or Volume  11,000	Granular Bentonite Bentonite - Cement Grout  Circle Mix Ratio or Mud Weight  nls. N/A				
(7) Material Used To  Benseal - Granular (	ed?	Clay Bent Chip From (Ft.) Surface	onite-Sand S sped Bentonit  To (Ft.)  25	No. Yards, Sacks Sealant or Volume  11,000	Granular Bentonite Bentonite - Cement Grout  Circle Mix Ratio or Mud Weight  nls. N/A				
(8) Comments:  (9) Name of Person or Firm Doing S Enviroscan Corp.	ed?	Clay Bent Chip From (Ft.) Surface	onite-Sand Siped Bentonit  To (Ft.)  25	No. Yards, Sacks Sealant or Volume  11,000	Granular Bentonite Bentonite - Cement Grout  Circle Mix Ratio or Mud Weight  nls. N/A				
(8) Comments:  (9) Name of Person or Firm Doing S Enviroscan Corp.  Signature of Person Doing Work.	ed?	Clay Bent Chip From (Ft.) Surface (10)	ronite-Sand S red Bentonii  To (Ft.)  25  FOR Received/In	No. Yards, Sacks Sealant or Volume  11,000	Granular Bentonite Bentonite - Cement Grout  Circle Mix Ratio or Mud Weight  nls. N/A  TY USE ONLY  District/County				
If Yes, To What Depth?  (7) Material Used To  Benseal - Granular (  (8) Comments:  (9) Name of Person or Firm Doing S Enviroscan Corp.  Signature of Person Doing Work	ed?	Clay Bent Chip From (Ft.) Surface (10)	onite-Sand S sped Bentonit  To (Ft.)  25	No. Yards, Sacks Sealant or Volume  11,000	Granular Bentonite Bentonite - Cement Grout  Gircle Mix Ratio or Mud Weight  als N/A  TY USE ONLY  District/County  Complying Work				
If Yes, To What Depth?    (7)   Material Used To     Benseal - Granular (   (8) Comments:     (9) Name of Person or Firm Doing S     Enviroscan Corp.     Signature of Person Doing Work     Street or Route	ed?	Clay Bent Chip From (Ft.) Surface  (10) Date	ronite-Sand Suped Bentonia  To (Ft.)  25  FOR Received/In	No. Yards, Sacks Sealant or Yolume  11,000  DNR OR COUN spected	Granular Bentonite Bentonite - Cement Grout  Circle Mix Ratio or Mud Weight  nls. N/A  TY USE ONLY  District/County				
If Yes, To What Depth?  Material Used To  Benseal - Granular (  8) Comments:  (9) Name of Person or Firm Doing S Enviroscan Corp.  Signature of Person Doing Work  Street or Route  303 W. Military Road	ed?	Clay Bent Chip From (Ft.) Surface  (10) Date	ronite-Sand S red Bentonii  To (Ft.)  25  FOR Received/In	No. Yards, Sacks Sealant or Yolume  11,000  DNR OR COUN spected	Granular Bentonite Bentonite - Cement Grout  Gircle Mix Ratio or Mud Weight  als N/A  TY USE ONLY  District/County  Complying Work				
If Yes, To What Depth?    (7)   Material Used To     Benseal - Granular (   (8) Comments:     (9) Name of Person or Firm Doing S     Enviroscan Corp.     Signature of Person Doing Work     Street or Route	ed?	Clay Bent Chip From (Ft.) Surface  (10) Date	ronite-Sand Suped Bentonia  To (Ft.)  25  FOR Received/In	No. Yards, Sacks Sealant or Yolume  11,000  DNR OR COUN spected	Granular Bentonite Bentonite - Cement Grout  Gircle Mix Ratio or Mud Weight  als N/A  TY USE ONLY  District/County  Complying Work				

#### APPENDIX C

Monitoring Well Construction and Development Forms

		of Wisc	onsin of Natur	ral Rese		Го: d Waste ergency Respon		Iaz. W Indere		Tanks				Soil Bo Form 44			nforn	nation 7-91
						stewater	□ v	Vater F								_		_
	Facilie	v/Droje	ct Name						se/De	rmit/M	onitorii	o Nun	nher	Boring	Pag		of	2
					RE #9871977			Dicci	180/1 0	1111107141	OIIICOI II	18 11011	1001	MW		O1		
					ne and name of crew o	hief)		Date	Drilli	ng Start	ed	Date	Drillin	g Com	leted	Drilli	ng Me	thod
	MA	XIM '	TECH	INOL	OGIES				7	7/6/98			7	/6/98		HSA		
	DNR I	acility	Well N	o. W	I Unique Well No.	Common Well	l Name	Final	Statio	Water	Level	Surf	ace Ele	vation	В	orehol	e Dian	neter
						MW-1				Feet	MSL			Feet M	1	<del></del>		Inches
	State 1	Location Plane	on			N, E		I	Lat 4	4° 15	30	Loca	al Grid	Locatio		pncabi	.e)	□ Е
			of <b>S</b> (	<u>= 1/4</u>	4 of Section 30	T 21 N,R 9		Lo	ng 🛭	9°27	50	"		et 🗌			Feet	□ w
	County	, RTAG	AE.				DNR Cot	inty C	ode	Civil T <b>ALM</b>			Village					
		ple					100			1221				Soil	Proper	rties		1
			S	t t	Soil/Ro	ck Description	on											
		(ji)	ount	n Feet	1	logic Origin					,		ion	60				ots
	nber	gth over	Blow Counts	Depth In	Each	Major Unit			CS	phic	ll gran	PID/FID	ndar	istur	ri gi	양병	8	[] [] [] [] [] [] [] [] [] [] [] [] [] [
	Number	Length (in) Recovered	Blo	Dep					S O	Graphic Log	Well Diagram	PD	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
	1		6	-	TOPSOIL				OL		X X		6					
				_ _1	SILTY SAND, with	gravel, brown,	, moist		SM									
				-														
	2		5										5					
															·			
				<u>3</u>														
				- - -4														
	3		17	- <b>4</b> -	SAND, with gravel, brown to light brow				SP				17					
				_ 5	brown to right brow	n, moist to wate	eroearing											
	4		17	6									17					
				- - -				1										
				—7 -														
				- 8														
	5		33	-									33					
				- -9														
				-									i.					
	6		33	<del>-</del> 10									33					
			ļ	-					l									
				—11 - -														
				_ 12	 													
			y that th		rmation on this form is	s true and corre			ny kn	owledge	e.							
	Signatu	ге						Firm		Maxin					7!			
_				_	a the	<i>C</i>							ue, Wa Fax: 71					

**MW-1** 2 2 Use only as an attachment to Form 4400-122. of **Boring Number** Soil Properties Sample Depth In Feet Soil/Rock Description Blow Counts Standard Penetration And Geologic Origin For Moisture Content PID/FID Graphic Log Well Diagram USCS 2 Number Liquid Limit Each Major Unit Plastic Limit SAND, with gravel, continued 13 29 29 8 15 16 28 9 -17 18 25 25 10 19 20 42 11 42 21 22 12 25 23 24 18 13 18 25 26 27 -29 END OF BORING

	o: Solid Waste  Haz. Waste  Wastewater	MONITORING WELL CONSTRUCTION
Department of Natural Resources Env. Re	esponse & Repair 🗌 Underground Tanks 🖶 Other 🗆	Similar to Form 4400-113A Rev 4-90
Facility/Project Name	Local Grid Location of Well	Well Name
Spiritland Store #9871977		MW-1
Facility License, Permit or Monitoring Number	Grid Origin Logation	Wis. Unique Well Number DNR Well Number
	Lat. 44° 15′ 30" Long. 89° 27′ 50" or	
	St. Plane ft. N ft. E.	
Type of Well Water Table Observation Well # 11	Section Location of Waste/Source E.	Date Well Installed 0 7/0 6/9 8
	$5 \omega 1/4$ of $5 \overline{\varepsilon} 1/4$ of Sec. $30$ , $72 N$ , $8.9 \square W$ .	. mmddyy
Distance Well is From Waste/Source Boundary	Location of Well Relative to Waste/Source	Well Installed By: (Persons Name and Firm)
ft.		
Is Well A Point of Enforcement Std. Application?	u 🗆 Upgradient s 🛢 Sidegradient	Brad Davis .
. ☐ Yes ■ No	d □ Downgradient n □ Not Known	Maxim Technologies, Inc. (Maxim)
A. Protective pipe, top elevation 1123.	6 Q ft. MSL 1. C	ap and lock? ■ Yes □ No
•		rotective cover pipe:
B. Well casing, top elevation 1123.	0 O ft. MSL a. 1	Inside diameter: 9 . 0 in.
		Length:
C. Land surface elevation 1123.	1 = 1 - 2	Material: Steel ■ 04
		Other 🗆 🌉
D. Surface seal, bottom ft. MSL or _	ft.	Additional protection?
		If yes, describe:
12. USCS classification of soil near screen:		urface seal: Bentonite □ 30
GP GM GC GW SW SP	1 7 7111	Concrete ■ 01
SM C SC C ML C MH C CL CH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Other 🗆
Bèdrock □		faterial between well casing and protective pipe:
Bediock 🗆	7.17	Bentonite  30
13. Sieve analysis attached?   Yes   No		Annular space seal
15. Sieve analysis attached:	'	
14 D 98 - water to a D	5 4	Other
1		nnual space seal:  a. Granular Bentonite   33
Hollow Stem A		lbs/gal mud weightBentonite-sand slurry  35
	• 020201	lbs/gal mud weight Bentonite slurry  31
15. Drilling fluid used: Water □ 02		% Bentonite Bentonite-cement grout   50
Drilling Mud □ 03	None 99	Trå maliana addad Cara and aCaba abana
IC B 98 1455 19 FLV. WAL		Ft³ volume added for any of the above
16. Drilling additives used? ☐ Yes ■ No	ı.	How installed Tremie □ 01
Describe		Tremie pumped 0 02
17.0	6 P	Gravity ■ 08
17. Source of water (attach analysis):		entonite seal:  a. Bentonite granules   33
		. □1/4 in. ■3/8 in. □1/2 in. Bentonite pellets □ 32
E. Bentonite seal, top ft. MSL or _		ine sand material: mfr, product name & mesh size
		. Badger Mining Corp, Silica BB#7
F. Fine sand, top ft. MSL or _	. <u>14.5ft.</u>	. Volume added ft <sup>3</sup>
	Ø 🖟 🔑 👂 🗜	ilter pack material: mfr, product name and mesh size
G. Filter pack, top ft. MSL or _	<u>, 1 6 . 5</u> ft a	. American Materials, Red Flint #30
	E	. Volume added ft <sup>3</sup>
H. Screen joint, top ft. MSL or _	18.5 ft. 9. W	Vell casing: Flush threaded PVC schedule 40 ■ 23
		Flush threaded PVC schedule 80   24
I. Well bottom ft. MSL or _	_2_8 . <u>5</u> ft. :Ξ:	Other 🗆
		Screen material: Same
J. Filter pack, bottom ft. MSL or	2 9 . 0 ft.	. Screen type: Factory cut 11
		Continuous slot   01
K. Borehole, bottom ft. MSL or	2 9 . 0 ft.	Other 🗆
Tr. Boronore, vononi		. Manufacturer TIMCO
L. Borehole, diameter 80 in.		
D. Dotenote, diameter <u>0</u> . <u>U</u> III.		
M.O.D. well assiss 2. 2.7:-		
M. O.D. well casing _ <u>2</u> . <u>3</u> <u>7</u> in.	11.1	Backfill material (below filter pack): None ■ 14
N. I.D. and profession	\(\lambda_{\lambda}\)	Other 🗆
N. I.D. well casing 2 2 in.		
I hereby certify that the information on this form is tru		
Signature	Firm	
car - las	Maxim Technologies, Inc. (Maxim) #987197	77

Maxim Technologies, Inc. (Maxim) #9871977

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form amy results in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may results in a forfeiture of not more than \$10,000 for each day of violation.

NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

MONITORING WELL DEVELOPMENT Similar to Form 4400-113B Rev 4-90

Route to: Solid Waste								
Facility/Project Name Spiritland Store		County l Portage	Well Nam MW-1			me		
Facility License, Permit or Monitoring Number			nty Code 5 0	Wis. Unique Well			DNR V	Well Number
1. Can this well be purged dry?		Yes	■ No		Before Dev	velo	pment	After Development
2. Well development method				11. Depth to Wate				
surged with bailer and bailed		41		(from top of well casing)	a <u>2 3</u>	<u>5</u> .	3 ft.	<u>2 3.6 0</u> ft.
surged with bailer and pumped		61			1 0 7 / 0			0.7/0.4/0.0
surged with block and bailed		42		Date	b. <u>0</u> <u>7/2</u> m m d			$\frac{0}{m} \frac{7/2}{m} \frac{1/9}{d} \frac{8}{y}$
surged with block and pumped		62		771	2 5		MA C	☐ AM
surged with block, bailed and pumped		70		Time	c <u>3:5</u>		- 1	
compressed air bailed only		20 10		12. Sediment in w bottom	rell <u>0</u> .	_5_	inches	
pumped only		51		12. Water clarity	Clear 🗆 10	0		Clear 🔳 20
pumped slowly		50			Turbid 🔳 1	5		Turbid 🗆 25
Other		<b>!!!</b> !!	i.		(Describe)			(Describe)
					Gray/Brown			
3. Time spent developing well	_	4			•			
4. Depth of well (from top of well casing)	_	2 7	<u>′.8</u> ft.					
5. Inside diameter of well		2.0	<u>0</u> in.					
6. Volume of water in filter pack and well casing		2	. <u>9</u> gal.	Fill in if drilling facility:	fluids were u	sed	and we	ell is at solid waste
7. Volume of water removed from well		5 0	<u>0</u> gal.					
8. Volume of water added (if any)	<del></del> .		gal.	14. Total suspende solids	ed	_•-	_mg/l	mg/l
9. Source of water added			<del></del>	15. COD		•_	_mg/l	mg/l
10. Analysis performed on water added? (If yes, attach results)		Yes	□ No	I				
16. Additional comments on development:								
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: Tod W. Roush							/ >	01
Pinne Marke Makes 1 1 2 4 24 11				Signature:		~		Luck
Firm: Maxim Technologies, Inc. (Maxim)				Print Initials: <u>T</u>		<u>.</u>		
				Firm: Maxim Tecl	hnologies, Inc	. (N	(axim)	#9871977

	of Wisc		al Res	Route	To: lid Waste	Пъ	łaz. W	Vocto						oring 1 100-122		nforn	nation 7-91
Бора					nd waste tergency Resp				l Tanks			1	OIM 44	100-122	•		7-71
				☐ Wa	stewater		Vater 1	Resou	rces					Don	e 1	of	2
Facilit	y/Proje	ct Nam	e				Other Lices	nse/Pe	rmit/M	onitori	ng Nur	nber	Boring	Numb			
				RE #9871977									MV				
				ne and name of crew OGIES	chief)		Date		ng Star		Date	Drillir		pleted	Drilli	ng Me	thod
IVILI	ZXXIVI	HICH	LIOL	OGIES				•	7/6/98			7	/6/98		HSA		
DNR I	Facility	Well N	o. W	I Unique Well No.	Common W	ell Name	Final	1 Statio	c Water		Surf	ace Ele		- 1	orehol		
Boring	g Locati	on			MW-2		<u> </u>			t MSL	Loc	al Grid	Feet M		nlicab		Inches
State	Plane				N, E			Lat 4	4015	7,30"	'	0110		_	priodo	,	□Е
		of 51	2 1/4	4 of Section 30	T 21 N,F				9027				et 🗌	S		Feet	□ w
Count PO	y RTAG	E				DNR Cor <b>50</b>	unty C	Code		own/C IOND		Village					
Sar	nple												Soi	l Prope	rties		
		S.	Feet	Soil/Re	ock Descrip	tion											
	g (j.	uno	n F		ologic Origi			S		ц	Ω	dion	8				ants
Number	Length (in) Recovered	Blow Counts	Depth In	Eacl	n Major Un	it		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	stic	8	RQD/ Comments
_ <u>z</u>	Rec	Blo	Del					D C	Grap Log	Well Diagi	PII	Sta Per	≥ 5	[관리	Plastic Limit	P 200	85
			_	Blind drilled to 29						$\aleph$							
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			,														
I hereb	v certif	y that t	—12 he info	rmation on this form	is true and cor	rrect to the he	est of	my kn	owledg	<b>— —</b> е.		L		l		<u> </u>	1
Signatu	•			·-			Firm	· · · · · · · · · · · · · · · · · · ·	Maxin		nolo	gies					
		a		wn	il			;	555 Sot	th 72nd	d Aven	ue, Wa Fax: 71					

Boring	g Numb	er	MW	Use only as an attachment to Form	4400-122	<b>.</b> .					Pag	e 2	of	2
San	nple									Soil	Prope	rties		
Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			-	Blind drilled, continued										
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			-16 -											
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			E —29	END OF BORING	-									
			•											

State of Wisconsin Department of Natural Resources	Route to: Solid Waste  Haz. Waste  Wastewater  Env. Response & Repair  Underground Tanks	MONITORING WELL CONSTRUCTION Similar to Form 4400-113A Rev 4-9
Facility/Project Name	Local Grid Location of Well	Well Name
Spiritland Store #9871977	N.   E.   E.   W.	MW-2
Facility License, Permit or Monitoring Numb	ber Grid Origin Location	Wis. Unique Well Number DNR Well Number
	Lat. 44°15 30" Long. 89° 27'50" or	
	St. Plane ft. N ft. E.	
Type of Well Water Table Observation We Piezometer		■ E. Date Well Installed 0 7/0 6/9 8 m m d d y y
Distance Well is From Waste/Source Bounda	try Location of Well Relative to Waste/Source ft.	Well Installed By: (Persons Name and Firm)
Is Well A Point of Enforcement Std. Applica	1 1 M D 12	Brad Davis Maxim Technologies, Inc. (Maxim)
	123.26 ft. MSL	1. Cap and lock? ■ Yes □ No
	100 3/	2. Protective cover pipe:
B. Well casing, top elevation	122.76 A. MSL	a. Inside diameter:90 in.
	122 7 ( ) W	b. Length:10 ft.
C. Land surface elevation	123.26 A. MSL	c. Material: Steel 04
D. Surface seal, bottom ft. MS	SL or . ft.	d. Additional protection? ☐ Yes ■ No
,		If yes, describe:
12. USCS classification of soil near screen:		3. Surface seal: Bentonite ☐ 30
ĞP□ GM□ GC□ GW□ SW		Concrete 01
SM SC ML MH CL	□ CH □	Other 🗆 🧱
Bedrock □		4. Material between well casing and protective pipe:
+		Bentonite 🗆 30
13. Sieve analysis attached?	□ No	Annular space seal 🗆 🊃
		Other
14. Drilling method used:	Rotary 🗆 50	5. Annual space seal: a. Granular Bentonite   33
Hollow	v Stem Auger 🔳 41	b lbs/gal mud weightBentonite-sand slurry   35
	Other 🗆 💹	c lbs/gal mud weight Bentonite slurry   31
15. Drilling fluid used: Water □ 02  Drilling Mud □ 03	Air □ 01 None ■ 99	d% Bentonite Bentonite-cement grout   50
		eFt3 volume added for any of the above
16. Drilling additives used? ☐ Yes	■ No	f. How installed Tremie   01
Describe		Tremie pumped ☐ 02
		Gravity ■ 08
17. Source of water (attach analysis):		.6. Bentonite seal: a. Bentonite granules ☐ 33
		b. □1/4 in. ■3/8 in. □1/2 in. Bentonite pellets □ 32
		c. Chips Other
E. Bentonite seal, top ft. M	ISL or 1 . <u>0</u> ft.	7. Fine sand material: mfr, product name & mesh size
		a. Badger Mining Corp, Silica BB#7
F. Fine sand, top ft. M	ISL or _ 1 4 . 0 ft.	b. Volume added ft <sup>3</sup>
		<ol> <li>Filter pack material: mfr, product name and mesh size</li> </ol>
G. Filter pack, top ft. M	(SL or <u>1 6 . 0</u> ft.	a. American Materials, Red Flint #30
		b. Volume added ft <sup>3</sup>
H. Screen joint, top ft. M	SL or <u>1</u> 8.0 ft.	9. Well casing: Flush threaded PVC schedule 40 ■ 23
		Flush threaded PVC schedule 80 🗆 24
I. Well bottom ft. M	ISL or _ 2 8 . 0 ft.	Other 🗆
· · · · · · · · · · · · · · · · · ·		10. Screen material: Same
J. Filter pack, bottom ft. M	SL or _ 2 9 . 0 ft.	a. Screen type: Factory cut ■ 11
		Continuous slot 01
K. Borehole, bottom ft. M	SL or _ 2 9 . 0 ft.	Other 🗆
I Develop the control of the control		b. Manufacturer TIMCO
L. Borehole, diameter 80 in.		c. Slot size: 0. <u>0 1 0 in.</u>
M O D well seed		d. Slotted length: 1 0 . 0 ft.
M. O.D. well casing $\underline{2} \cdot \underline{3} \cdot \underline{7}$ is	in.	11. Backfill material (below filter pack): None ■ 14
N. I.D. well casing 2 2 i	in.	Other 🗆
	orm is true and correct to the best of my knowledge	
Signature	Firm	
Int W Hau	Maxim Technologies, Inc. (Maxim) #9	871977

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form amy results in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may results in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

					z. Waste □ Was Jnderground Tanl		o	
Facility/Project Name Spiritland Store			Coun Porta		lame		Well Name MW-2	e
Facility License, Permit or Monitoring Number			nty Co 5 0		Wis. Unique Well	Number	DNR W	ell Number
1. Can this well be purged dry?		Yes	■ N	o		Before Dev	elopment	After Development
2. Well development method					11. Depth to Wate			
surged with bailer and bailed		41			(from top of well casing)	a <u>2 3</u>	3_1_ft.	<u>2 3.3 6</u> ft.
surged with bailer and pumped		61			_			
surged with block and bailed		42			Date	b. <u>0</u> <u>7/2</u> m m d		$\frac{0}{m} \frac{7/2}{m} \frac{1/9}{d} \frac{8}{y}$
surged with block and pumped		62					□ AM	□ AM
surged with block, bailed and pumped		70			Time	c. <u>1 2:0</u>		<u>1</u> <u>2</u> : <u>4</u> <u>5</u> ■ PM
compressed air bailed only		20 10			12. Sediment in w bottom	ell <u>0</u> .	5 inches	
pumped only		51			12. Water clarity	Clear 🗆 10	)	Clear 20
pumped slowly		50				Turbid 1	5	Turbid 🗆 25
Other		iii iii	į			(Describe)		(Describe)
						Gray/Brown		
3. Time spent developing well	<u> </u>	4	_ <u>5</u> _m	in.		First 3 gallon	is	
4. Depth of well (from top of well casing)		2 7	<u>′.9</u> ft	t.				
5. Inside diameter of well		2.0	<u>0</u> ir	n.				
6. Volume of water in filter pack and well casing		3	. <u>2</u> ga	al.	Fill in if drilling facility:	fluids were us	sed and wel	ll is at solid waste
7. Volume of water removed from well		<u>5</u> <u>0</u>	. <u>0</u> g	al.				
8. Volume of water added (if any)			ga	1.	14. Total suspende solids	ed	mg/I	mg/l
9. Source of water added					15. COD		mg/l	mg/l
10. Analysis performed on water added? (If yes, attach results)		Yes	□ N	о '			•	
16. Additional comments on development:								
Well developed by: Person's Name and Firm					I hereby certify the		formation i	is true and correct to
Name: Tod W. Roush					•	// /.	18	
Firm: Maxim Technologies, Inc. (Maxim)				_	Signature:  Print Initials:		) A a	
					Firm: Maxim Tecl		_	987 <u>1977</u>

	of Wisc rtment o		ral Res		d Waste		łaz. W						Soil Bo Form 44			nform	nation 7-91
				☐ Eme	ergency Respo		Jnderg Vater F		Tanks								
				U Was	icwatei		Other	NCSOU.	ices							of	2
	y/Proje <b>RITL</b>			RE #9871977			Licen	ise/Pe	rmit/M	onitori	ng Nur	nber	Boring MV	Numb 7-3	er		
				ne and name of crew o	chief)		Date	Drilli	ng Star	ted	Date	Drillir	ng Com	pleted	Drilli	ng Met	hod
IVIA	Alivi	IECI	INOI.	OGIES				,	7/6/98	3		7	/6/98		HSA		
DNR I	Facility	Well N	lo. W	I Unique Well No.	Common We MW-3	ll Name	Final	Statio	Water Fee	Level t MSL	Surf	ace Ele	vation Feet M	1	orehol	e Diam	eter Inches
	Locati	on			N, E		T	[ at 4	4015	26.30	Loc	al Grid	Locatio	_	plicab	le)	
State :		of S	EW	4 of Section 30	<b>N, E</b> T <b>21</b> N,R	9E	- 1		7 ° 2"		1	Fe	et 🗌				□ E □ W
County	у			, or beening by	1 22 11,10	DNR Co			Civil T	`own/C	ity/ or	Village				1 000	
	RTAG	E	T			50			ALM	IOND		1	0-1	D			1
Sar	nple												501	Prope	rties	T	
	2-	nts	Feet	1	ck Descript							g g					70
ē	h (in	Co	II.	1	ogic Origin			S	.g	am	Ð	ard	ure				ent
Number	Length (in) Recovered	Blow Counts	Depth In	Each	Major Uni	ι		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
$\underline{z}$	그 <sup>ೱ</sup>	<u> </u>	Δ.	Blind drilled to 29',	cobbles 5' to	14'		Ω	27	XI X	<u> </u>	N M	⊠ ບ	77	교기	<u> </u>	20
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I hereb	v certif	v that t	-12 he info	rmation on this form is	true and corr	ect to the h	est of n	ny kn	owledo	<u> </u>		1				<u> </u>	<u> </u>
Signatu							Firm		Maxir		nolo	gies	·······		<u></u>		
			-	a Ku	1			:	555 Sot	ıth 72n	d Aven	ue, Wa	usau, V 5 842-0				

**MW-3** 2 2 Boring Number Use only as an attachment to Form 4400-122. Page of Soil Properties Sample Depth In Feet Soil/Rock Description Blow Counts Standard Penetration Length (in) Recovered And Geologic Origin For Moisture Content Well Diagram PID/FID SCS Graphic Log Number Liquid Limit Each Major Unit Plastic Limit P 200 Blind drilled, continued, cobbles 16' to 29' -13 14 -15 -16 17 18 19 20 -21 -22 23 25 26 27 28 29 END OF BORING

	o: Solid Waste 🗆 Haz. Waste 🗆 Wastewater 🗆	MONITORING WELL CONSTRUCTION
	esponse & Repair 🗆 Underground Tanks 🗷 Other 🗅	Similar to Form 4400-113A Rev 4-90
Facility/Project Name Spiritland Store #9871977	Local Grid Location of Well	Well Name MW-3
Facility License, Permit or Monitoring Number	Grid Origin Location  Lat. 44°15′ 30″ Long. 89′ 27′50″ or  St. Plane ft. N ft. E.	Wis. Unique Well Number DNR Well Number —————
Type of Well Water Table Observation Well ■ 11		Date Well Installed   0 7/0 6/9 8
	$\frac{SW}{1/4}$ of $\frac{SE}{1/4}$ of Sec. $\frac{30}{1}$ , $\frac{7}{1}$ , $\frac{9}{1}$ .	
Distance Well is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source	Well Installed By: (Persons Name and Firm)
Is Well A Point of Enforcement Std. Application?  U Yes No	u □ Upgradient s □ Sidegradient d ■ Downgradient n □ Not Known	Brad Davis Maxim Technologies, Inc. (Maxim)
A. Protective pipe, top elevation 1125.	6 I ft. MSL 1. C	Cap and lock? ■ Yes □ No
,		rotective cover pipe:
B. Well casing, top elevation $1125$ .		Inside diameter: 4.0 in.
C. Land surface elevation 1123.	1 🛁 1 🧪	Length:       _ 5 . 0 ft.         Material:       Steel ■ 04
C. Danie surface elevation 1123.	LOIL MAL	Other 🗆
D. Surface seal, bottom ft. MSL or _	fi.	Additional protection? ☐ Yes ■ No
		If yes, describe:
12. USCS classification of soil near screen:  GP □ GM □ GC □ GW □ SW □ SP		urface seal: Bentonite ■ 30  Concrete □ 01
SM SC ML MH CL CH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Other 🗆
Bedrock		Material between well casing and protective pipe:
		Bentonite □ 30
13. Sieve analysis attached?	)	Annular space seal
14. Drilling method used:	totary □ 50	Other
Hollow Stem A		b lbs/gal mud weightBentonite-sand slurry  35
		lbs/gal mud weight Bentonite slurry   31
15. Drilling fluid used: Water □ 02 Drilling Mud □ 03	Air □ 01 None ■ 99	% Bentonite Bentonite-cement grout   50
		Ft <sup>3</sup> volume added for any of the above
16. Drilling additives used? ☐ Yes ■ No	, f	. How installed Tremie   O1
Describe		Tremie pumped ☐ 02
		Gravity ■ 08
17. Source of water (attach analysis):		tentonite seal:  a. Bentonite granules   33
		o. □1/4 in. ■3/8 in. □1/2 in. Bentonite pellets □ 32
7 D	1:3 :3/	. Chips Other
E. Bentonite seal, top ft. MSL or _		ine sand material: mfr, product name & mesh size Badger Mining Corp, Silica BB#7
F. Fine sand, top ft. MSL or _		. Volume added ft <sup>3</sup>
T. Time said, top	f. = 10 · 1 · 2	filter pack material: mfr, product name and mesh size
G. Filter pack, top ft. MSL or _	* · · · · · · · · · · · · · · · · · · ·	American Materials, Red Flint #30
		. Volume added ft <sup>3</sup>
H. Screen joint, top ft. MSL or _	<u>18.0ft.</u> 9. V	Vell casing: Flush threaded PVC schedule 40 ■ 23
		Flush threaded PVC schedule 80   24
I. Well bottom ft. MSL or _		Other 🗆
J. Filter pack, bottom ft. MSL or _		Screen material: Same  . Screen type: Factory cut ■ 11
J. Filter pack, bottom ft. MSL or _	.23.01.	. Screen type: Factory cut ■ 11 Continuous slot □ 01
K. Borehole, bottom ft. MSL or _	2 9 . 0 ft.	Other 🗆
	[ · · · ·	. Manufacturer TIMCO
L. Borehole, diameter 80 in.		. Slot size: 0. <u>0</u> <u>1</u> <u>0</u> in.
, <u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Slotted length: 1 0 . 0 ft.
M. O.D. well casing _ <u>2</u> . <u>3</u> <u>7</u> in.		Backfill material (below filter pack): None 14
N. I.D. well casing 2 2 in.	\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	Other 🗆 🚬
I hereby certify that the information on this form is tr	ue and correct to the best of my knowledge	
Signature	Firm	
Jew Kal	Maxim Technologies, Inc. (Maxim) #98719	77

Maxim Technologies, Inc. (Maxim) #9871977

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form amy results in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may results in a forfeiture of not more than \$10,000 for each day of violation.

NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

· · · · · · · · · · · · · · · · · · ·				z. Waste □ Wa Underground Tan			-				
Facility/Project Name Spiritland Store			County Portage	Name		Well Nam MW-3	ie				
Facility License, Permit or Monitoring Number			nty Code 5 0	Wis. Unique Well	Number	DNR V	Vell Number				
1. Can this well be purged dry?		Yes	■ No		Before Dev	velopment	After Development				
2. Well development method				11. Depth to Wate							
surged with bailer and bailed		41		(from top of well casing)	a. <u>2 6</u> .	2 <u>5</u> ft.	<u>26.26</u> ft.				
surged with bailer and pumped		61			1 0 7/0	1 / 0 0	0.7/0.1/0.0				
surged with block and bailed		42		Date	b. <u>0</u> <u>7/2</u> m m d	1/9 8 d y y	$\frac{0}{m} \frac{7/2}{m} \frac{1/9}{d} \frac{8}{y}$				
surged with block and pumped		62		m:	- 1 1.0	■ AM	■ AM				
surged with block, bailed and pumped		70		Time	c. <u>1 1:0</u>		<u>1 1:4 5□ PM</u>				
compressed air bailed only		20 10		12. Sediment in w bottom	/ell0 · .	5 inches	00 inches				
pumped only		<b>5</b> 1		12. Water clarity	Clear 🔳 10	o	Clear 20				
pumped slowly		50			Turbid 🗆 1	5	Turbid 🗆 25				
Other		<b>!!!</b> !!	<u>:</u>		(Describe)		(Describe)				
					Slightly Brow	vn					
3. Time spent developing well	_	4	_5_ min.		When Agitate	ed					
4. Depth of well (from top of well casing)		3 0	<u>.7</u> ft.		·						
5. Inside diameter of well		2.0	<u>0</u> in.		***************************************						
6. Volume of water in filter pack and well casing		2	<u>. 9</u> gal.	Fill in if drilling facility:	fluids were u	sed and we	ell is at solid waste				
7. Volume of water removed from well		<u>5</u> <u>0</u>	0 gal.								
8. Volume of water added (if any)	_		gal.	14. Total suspend solids	ed	mg/l	mg/l				
9. Source of water added				15. COD		mg/l	mg/l				
10. Analysis performed on water added? (If yes, attach results)		Yes	□ No	•		·					
16. Additional comments on development:											
Well developed by: Person's Name and Firm				I hereby certify the		nformation	is true and correct to				
Name: Tod W. Roush						W					
Firm: Maxim Tashnalasias Inc (Maxim)				Signature:			Cont				
Firm: Maxim Technologies, Inc. (Maxim)				Print Initials: <u>T W R</u>							
				Firm: Maxim Technologies, Inc. (Maxim) #9871977							

	of Wisc rtment o		ral Res	Route ources	To: id Waste			Waste						oring ] 100-122		ıform	nation 7-91
					ergency Respor			rground									
				⊔ Wa	stewater			r Resou	rces					Pag	e 1	of	2
Facilit	y/Projec	ct Nam	e						rmit/M	onitorir	ıg Nur	nber	Boring	Numb			
SPI	RITL	AND	STO	RE #9871977									MV	V-4			
				me and name of crew	chief)		Dat	te Drilli	ng Star	ted	Date	Drillin	g Com	pleted	Drillir	ig Met	hod
MA	XIM :	TECH	INOL	OGIES				7	7/6/98	;		7	/6/98		HSA		
DNR 1	Facility	Well N	o. W	I Unique Well No.	Common Wel	1 Name	Fin	al Statio	. Water	Level	Surf	ace Ele	vation	R	orehole	Dian	eter
Divice	aumoj	,, 011 1		1 0111400 011 1.0.	MW-4					t MSL			Feet M				Inches
Boring	Location	on			<u> </u>		1	~ 1/			Loca	al Grid		,			
State			<b> </b>	••	N, E					7'30"	_ I			N			□ E
		of S	<u> </u>	4 of Section 30	T 21 N,R					1'50'			et 🗌	S		Feet	□ w
County PO	y RTAG	E				DNR Cor	unty	Code		`own/Ci IOND	ty/ or	Village					
Sar	nple												Soi	Proper	ties		
		Ŋ	ğ	Soil/Ro	ck Descripti	on											
	हि.चे.	and	F.		logic Origin						_	_ g					lts
ber	th (	ე	p Ir		Major Unit			CS	hic	ram	H	lard	ent für	ب <u>و.</u>	.c.		l / med
un]	Length (in) Recovered	Blow Counts	Depth In Feet		, <b>y</b>			S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
Number	112	<u>m</u>		TOPSOIL				D OL	<u> </u>	X X		S A 4	20		L P	<u> </u>	<del>2</del> 0
1		,	-  -	SILTY SAND, with	gravel hrown	moist	_/	SM		$\times$							
			-1	cobbles 1' to 12'	. g.a, o.o	,,											
			E														
2		34	-2	SAND, with gravel	fine to mediur	n grained		SP	بللب			34					
-		54		brown to light brow		-		O1				34					
			_ _3		•	C											
			E														
			<u>-</u> 4														
3		40	Ē									40					}
			_ —5														
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6		31	—10 -									31				i	
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T 1			<u>-12</u>														<u> </u>
l hereb Signati				rmation on this form i	<u> </u>		est of Firm				_						
orgnatt	e		_	a Kul			מחניו	1	Maxin	n Tech ith 72nd	nolo	gies	T	17:			
		4		V tul								ue, wa Fax: 71					

**MW-4** Use only as an attachment to Form 4400-122. Page 2 of 2 Boring Number Soil Properties Sample Depth In Feet Soil/Rock Description Blow Counts Standard Penetration Length (in) Recovered And Geologic Origin For Moisture Content PID/FID Graphic Log Well Diagram uscs 2 Number Liquid Limit Plastic Limit Each Major Unit P 200 SAND, with gravel, continued -13 36 36 15 -16 27 9 27 17 35 10 35 19 -20 34 11 21 22 23 23 12 23 -24 24 13 24 25 -26 27 -29 30 END OF BORING

		Waste   Wastewater		Similar to Form 4400-113.	
	Local Grid Location	of Well		Well Name	A Rev 4-90
Facility/Project Name Spiritland Store #9871977	ft. □ N.	ft. 🗆 E. W.		MW-4	
Facility License, Permit or Monitoring Number	Grid Origin Location	n Long. 89° 27' 50" or		Wis, Unique Well Number DNR	Well Number
	Lat. 44 15 30" St. Plane f	Long. 87 27 50 or t. N ft. E.			
Type of Well Water Table Observation Well ■ 1	1 Section Location of	Waste/Source	■ E.	Date Well Installed 0 7	<u>/0 7/9 8</u>
		Sec. <u>30</u> , T <u>21</u> N, R. <u>9</u>	□ W.		ndd yy
Distance Well is From Waste/Source Boundary ft.		lative to Waste/Source		Well Installed By: (Persons Name and	Firm)
Is Well A Point of Enforcement Std. Application?  ☐ Yes ■ N	u ■ Upgradient d □ Downgradient	s □ Sidegradient n □ Not Known		Brad Davis  Maxim Technologies, Inc. (Maxim)	<u> </u>
A. Protective pipe, top elevation 1125	. <u>&amp; G</u> ft. MSL			ap and lock?	■ Yes □ No
B. Well casing, top elevation 1125	. <u>86</u> ft. MSL	\ <u>                                    </u>	/ a. I	Inside diameter: .	_ 4 . 0 in.
C. Land surface elevation 1173	.49 A. MSL			Length: · · Material:	<u>5</u> 0 ft. Steel ■ 04
I I B 9					Other 🗆 🔐
D. Surface seal, bottom ft. MSL or	a.	4		Additional protection?	☐ Yes ■ No
12. USCS classification of soil near screen:				-	Bentonite 30
	SP 🗆	ALLE			Concrete 🗆 01
SM SC ML MH CL C	H 🗆	1110			Other 🗆 🧝
Bedrock □			➤ 4. M	aterial between well casing and protecti	ive pipe: Bentonite □ 30
13. Sieve analysis attached?	4o				pace seal 🗆 🏬
14. Drilling method used:	Rotary □ 50 ·			nnual space seal:  a. Granular I	Other
Hollow Stem	·			lbs/gal mud weightBentonite-san	
	Other 🗆 🧝			lbs/gal mud weight Bentoni	
15. Drilling fluid used: Water □ 02 Drilling Mud □ 03	'Air □ 01 None ■ 99		d.	% Bentonite Bentonite-cem	ent grout □ 50
,			е.	Ft <sup>3</sup> volume added for any of the al	bove
16. Drilling additives used? ☐ Yes ■ N	lo l		f.	How installed	Tremie 🗆 01
Describe				Tremie	pumped □ 02
17. Source of water (attach analysis):			6. Be	entonite seal: a. Bentonite	Gravity ■ 08 granules □ 33
17. bourde of water (under unary stay).				□1/4 in. ■3/8 in. □1/2 in. Bentoni	-
			c.	Chips	Other 🗆 🥷
E. Bentonite seal, top ft. MSL or	0. <u>5</u> ft.		_	ne sand material: mfr, product name &	mesh size
				Badger Mining Corp, Silica BB#7	
F. Fine sand, top ft. MSL or	_ <u>1 5</u> . <u>5</u> ft. ——			Volume added	ft <sup>3</sup>
G. Filter pack, top ft. MSL or	17.5ft.		_	_American Materials, Red Flint #30	ing mesh size
				Volume addedft <sup>3</sup>	
H. Screen joint, top ft. MSL or	<u>19.5</u> ft.		9. W	ell casing: Flush threaded PVC sch	
				Flush threaded PVC sch	
I. Well bottom ft. MSL or	_ <u>2 9</u> . <u>5</u> ft.		10 S	creen material: Same	_ Other 🗆 📜
J. Filter pack, bottom ft. MSL or	<u>3 0</u> . <u>0</u> ft.				ctory cut 📕 11
				Continu	uous slot 🗆 01
K. Borehole, bottom ft. MSL or	_ <u>3 0</u> . <u>0</u> ft.		<u> </u>	Manufacturer TIMCO	Other 🗆 🚛
L. Borehole, diameter _ <u>8</u> . <u>0</u> in.	\		c.	Slot size:	0. <u>0</u> <u>1</u> <u>0</u> in.
M. O.D. well casing _ 2 . 3 7 in.				Slotted length: ackfill material (below filter pack):	<u>1</u> <u>0</u> . <u>0</u> ft. None ■ 14
			_	- (, Fare)	Other 🗆 📜
N. I.D. well casing22 in.  I hereby certify that the information on this form is	true and correct to the l	nest of my knowledge			
Signature	Firm	Jest of my knowledge			
Signature La la Ral	1	hnologies, Inc. (Maxim) #	#987197	7	

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form amy results in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may results in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

Facility/Project Name Spiritland Store			County 1 Portage	Name		Well Nam MW-4	e					
Facility License, Permit or Monitoring Number			nty Code	Wis. Unique Well	Number	DNR V	Vell Number					
1. Can this well be purged dry?		Yes	■ No		Before Dev	velopment	After Development					
2. Well development method				11. Depth to Wate								
surged with bailer and bailed		41		(from top of well casing)	a. <u>2 6</u> .	4 <u>1</u> ft.	<u>2_6.4_3</u> ft.					
surged with bailer and pumped		61										
surged with block and bailed		42		Date	b. <u>0</u> <u>7/2</u> m m d	$\frac{1}{d} \frac{9}{y} \frac{8}{y}$	$\frac{0}{m} \frac{7/2}{m} \frac{1/9}{d} \frac{8}{y}$					
surged with block and pumped		62				■ AM	■ AM					
surged with block, bailed and pumped		70		Time	c. <u>1 0:1</u>		<u>1 0:5 5□ PM</u>					
compressed air bailed only		20 10		12. Sediment in w bottom	vell <u>0</u> .	0 inches	<u>0</u> inches					
pumped only		51		12. Water clarity	Clear 10	0	Clear ■ 20					
pumped slowly		50			Turbid 🗆 1	.5	Turbid □ 25					
Other		<b>!!! !!!</b>	<u>.</u>		(Describe)		(Describe)					
					Slightly Brow	<u>vn</u>						
3. Time spent developing well		4	<u>5</u> min.		Very Little S	<u>Silt</u>	<del></del>					
4. Depth of well (from top of well casing)		3 1	. <u>6</u> ft.									
5. Inside diameter of well	_	<u>2.0</u>	<u>0</u> in.									
6. Volume of water in filter pack and well casing	_	3	. <u>5</u> gal.	Fill in if drilling facility:	; fluids were u	sed and we	ll is at solid waste					
7. Volume of water removed from well	_	5 0	<u>. 0</u> gal.									
8. Volume of water added (if any)			gal.	14. Total suspend solids	ed	mg/l	mg/l					
9. Source of water added				15. COD		mg/l	mg/l					
10. Analysis performed on water added? (If yes, attach results)		Yes	□ No			•						
16. Additional comments on development:												
Well developed by: Person's Name and Firm				I hereby certify the		nformation	is true and correct to					
Name: Tod W. Roush							1//					
				Signature: Mu Kun								
Firm: Maxim Technologies, Inc. (Maxim)				Print Initials: <u>T</u>	<u> </u>	<u> </u>						
				Firm: <u>Maxim Tec</u>	hnologies, Inc	. (Maxim)	#9871977					

	of Wisc rtment o		al Res	Route Tources	To: d Waste	Πн	łaz. V	Waste					Soil Bo Form 44	_	_	nforr	nation 7-91
-				☐ Eme	rgency Respon	nse 🗵 U	Jnder	ground	l Tanks								
				☐ Was	tewater		Vater Other	Resou	rces					Pag	e 1	of	2
	y/Proje <b>RIT</b> L			RE #9871977					rmit/M	onitorir	g Nun	nber	Boring MV	Numb			
				me and name of crew c	hief)		Date	e Drilli	ng Star	ted	Date	Drillin	ng Com	pleted	Drill	ing Me	thod
MA	XIM	TECH	INOL	OGIES				•	7/7/98	;		7	/ <mark>7/98</mark>		HSA		
DNR	Facility	Well N	o. W	I Unique Well No.	Common We	ll Name	Fins	al Statio	Water		Surf	ace Ele		- 1	oreho	le Diar	
Boring	Locati	on			MW-5		<u> </u>			t MSL	Loca	al Grid	Feet M Location		plicat		Inches
State		of <	F 1/	4 of Section 30	N, E T <b>21</b> N,R	0F		Lat 7	/7°15 9 04 #	3°30'		E.	et 🗌	N e		East	□ E □ W
Count	y		<u> </u>	4 of Section 50	1 21 N,K	DNR Cou			Civil T	`own/Ci	ty/ or			3		reet	
	RTAG	E		I		50			ALM	IOND		T	Soi	Prope	etion		
Sai	nple		بب	0.170	1.75								301	rrope	lues	T	$\dashv$
	R E.	unts	Fee	1	ck Descripti ogic Origin						_	u o					lts
lber	overe	දි	th In	1	Major Unit			c s	hic		PID/FID	dard	sture	it id	. i.		)/
Number	Length (in) Recovered	Blow Counts	Depth In Feet		-			s n	Graphic Log	Well Diagram	PID,	Standard Penetration	Moisture Content	Liquid Limit	Plastic I imit	P 200	RQD/ Comments
			_	Blind drilled to 30'													
			_ _1														
			-														
			_2														
	:																
			<u>-3</u>														
			4														
			_														
			5 _														
			- ,														
			6 														
			<u>-</u>														
			8 8														
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			—9 - -														
			_ 10														
			- 11														
			_														
I hard	V cortif	a that	-12	rmation on this form is	true and corr	ect to the he	est of	my ba	ondedo	P		<u> </u>				1	
Signati		-			o true and corr		Firm			e. n Tecl	molo	oies	·				
-	>	-	/	W Han	L				555 Soi	ith 72nd 5 845-4	i Aven	ue, Wa					

Boring	g Numb	er	MW	Use only as an attachment to Form 4	400-122	ļ. 				2 40			of .	2
San	nple									Soil	Prope	rties		1
Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			-	Blind drilled, continued										
			-13											
			-14											
			_ 15				33 8							
			_ _16											
			17											
			-18											
			_ 19											:
			-22					1						
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								}						
			-25											
								<b>1</b>						+ + +
			-											
			-27 -											
			-28 -											
			-29 -											
			-30	END OF BORING				1						

	o: Solid Waste 🗆 Haz. Waste 🗀 Waste		MONITORING WELL CONSTR	
	sponse & Repair D Underground Tanks			Rev 4-90
Facility/Project Name Spiritland Store #9871977	Local Grid Location of Well N	E. W.	Well Name MW-5	
Facility License, Permit or Monitoring Number	Coid Ociais I acation	i v	Wis. Unique Well Number DNR Well N	dumber
	Lat. 44 15' 30" Long. 89 27	<u>50</u> "or		
	St. Flatie tt. IV.	п. Е.		
Type of Well Water Table Observation Well ■ 11 Piezometer □ 12	Section Location of Waste/Source SW 1/4 of SE 1/4 of Sec. 30, T21		Date Well Installed 0 7/0 7/0 m m d d	
Distance Well is From Waste/Source Boundary ft.	Location of Well Relative to Waste/		Well Installed By: (Persons Name and Firm)	
Is Well A Point of Enforcement Std. Application?	u □ Upgradient s ■ Sidegra	dient E	Brad Davis	
☐ Yes ☐ No	d 🗆 Downgradient n 🗆 Not Kn		Maxim Technologies, Inc. (Maxim)	
A. Protective pipe, top elevation 1122.	50 a. MSL		and lock? Yes ective cover pipe:	□ No
B. Well casing, top elevation 1122.	16 ft. MSL			9 . <u>0</u> in.
		b. Le		<u>1</u> . <u>0</u> ft.
C. Land surface elevation 1122.	58 A. MSL	c. Ma	aterial: Stee	el 🗆 04
				er 🗆 🏬
D. Surface seal, bottom ft. MSL or _	f		Iditional protection?	■ No
12. USCS classification of soil near screen:				te <b>3</b> 0
GP□ GM□ GC□ GW□ SW□ SP	-   \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			te 🗆 01
SM C SC ML MH CL CH		_		er 🗆 🥨
Bedrock □		4. Mate	erial between well casing and protective pipe	
13. Sieve analysis attached? ☐ Yes ☐ No			Bentonit Annular space sea	te □ 30
13. Sieve analysis attached?	'	_	Almulai space sea	ther
14. Drilling method used:	otary 🗆 50 ·	5. Ann	ual space seal: a. Granular Bentonit	te □ 33
Hollow Stem A			lbs/gal mud weightBentonite-sand slurr	
	Other 🗆 🚆		lbs/gal mud weight Bentonite slurr	
15. Drilling fluid used: Water □ 02	Air □ 01 None ■ 99	d	% Bentonite Bentonite-cement grou	ıt 🗆 50
Drining Mad C 05	None = 33	e.	Ft <sup>3</sup> volume added for any of the above	
16. Drilling additives used? ☐ Yes ■ No				ie 🗆 01
Describe			Tremie pumpe	d □ 02
			Gravit	y <b>=</b> 08
17. Source of water (attach analysis):			tonite seal: a. Bentonite granule	
			□1/4 in. ■3/8 in. □1/2 in. Bentonite pellet	
		°		9000000
E. Bentonite seal, top ft. MSL or _	1.0 ft.		s sand material: mfr, product name & mesh s	ize
F. Fine sand, top ft. MSL or _	1.5 0.0	_	Badger Mining Corp, Silica BB#7  /olume added ft <sup>3</sup>	
r. rine said, top			er pack material: mfr, product name and mes	sh size
G. Filter pack, top ft. MSL or _	17.0ft.		American Materials, Red Flint #30	
		_	Volume addedft³	<del></del>
H. Screen joint, top ft. MSL or _	19.0ft.	9. Well	l casing: Flush threaded PVC schedule 4	0 <b>2</b> 3
			Flush threaded PVC schedule 80	0 🗆 24
I. Well bottom ft. MSL or _	29.0ft.		Othe	r 🗆 🦭
			een material: Same	***
J. Filter pack, bottom ft. MSL or _	39.9 #	a. S	creen type: Factory cu	
K. Borehole, bottom ft. MSL or _	3000		Continuous slo	ır □
K. Borehole, bottom ft. MSL or _		b. N	Manufacturer TIMCO	. m
L. Borehole, diameter 8 . 0 in.		ł		 1_0 in.
		'}	<del>-</del>	<u>0</u> . <u>0</u> ft.
M. O.D. well casing 23 _7 in.		1		ne ■ 14
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	_	Othe	ır 🗆 👊
N. I.D. well casing 2 2 in.				
I hereby certify that the information on this form is tr		vledge		
Signature	Firm Maxim Technologies, Inc.	(Maxim) #9271977		
	I maxim reciliologies, life.	(ATTACHILITY IF 20/12//		

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form amy results in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may results in a forfeiture of not more than \$10,000 for each day of violation.

NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

Route to: Solid Waste □ Haz. Waste □ Wastewater □ Env. Response & Repair □ Underground Tanks ■ Other □												
Facility/Project Name Spiritland Store			County Portage	Name		Well Name MW-5						
Facility License, Permit or Monitoring Number			nty Code 5 0	Wis. Unique Well	Number	DNR W	ell Number					
1. Can this well be purged dry?		Yes	■ No		Before Dev	elopment	After Development					
2. Well development method				11. Depth to Wate								
surged with bailer and bailed		41		(from top of well casing)	a <u>2 2 . (</u>	6 5 ft.	<u>2 2.7 0</u> ft.					
surged with bailer and pumped		61			1 0 7 (0		0.5/0.4/0.0					
surged with block and bailed		42		Date	b. <u>0</u> <u>7/2</u> m m d		$\frac{0}{m} \frac{7/2}{m} \frac{1/9}{d} \frac{8}{y}$					
surged with block and pumped		62		m:		☐ AM	☐ AM					
surged with block, bailed and pumped		70		Time	c. <u>0 2:0</u>		<u>0</u> <u>2</u> : <u>4</u> <u>5</u> ■ PM					
compressed air bailed only				12. Sediment in w bottom	/ell0	5 inches						
pumped only		51		12. Water clarity	Clear 🔳 10	)	Clear 20					
pumped slowly		50			Turbid 🗆 1	5	Turbid □ 25					
Other		<b>!!! !!</b>	į		(Describe)		(Describe)					
					Slightly silty							
3. Time spent developing well		4	<u>5</u> min.			-	water and the state of the stat					
4. Depth of well (from top of well casing)	_	2 8	<u>9</u> ft.									
5. Inside diameter of well		2.0	0 in.									
6. Volume of water in filter pack and well casing		4	. 2 gal.	Fill in if drilling facility:	fluids were u	sed and wel	l is at solid waste					
7. Volume of water removed from well	_	<u>5</u> <u>0</u>	<u>0</u> gal.									
8. Volume of water added (if any)			gal.	14. Total suspend solids	ed	mg/l	ng/l					
9. Source of water added	<del></del>			15. COD		mg/l	mg/l					
10. Analysis performed on water added? (If yes, attach results)		Yes	□ No									
16. Additional comments on development:												
Well developed by: Person's Name and Firm				I hereby certify the the best of my known		ıformation i	s true and correct to					
Name: Tod W. Roush					///	WA	<b>#</b> //					
Firm. Maxim Tashuslasias Inc (Maxim)				Signature:								
Firm: Maxim Technologies, Inc. (Maxim)				Print Initials: T	<u> W R</u>	<u>.                                    </u>						
				Firm: Maxim Technologies, Inc. (Maxim) #9871977								

	of Wisc		ral Res	Route 7	o: d Waste	□н	Iaz. V	Vaste					Soil Bo			nforr	nation 7-91	
•				☐ Eme	rgency Respons	se 🗵 U	Inder	ground	Tanks									
				☐ Was	tewater	□ v		Resou	rces					Par	e 1	of	2.	
Facilit	y/Proje	ct Nam						nse/Pe	rmit/M	onitor	ng Nu	mber	Boring	Numb		UI		
				RE #9871977								MW-6						
				me and name of crew o	hief)		Date	e Drilli	ng Star	ted	Dat	e Drillin	ng Com	pleted	Drilling Method			
MA	XIM	TECF	INOL	OGIES				7	7/7/98			7/7/98				HSA		
DNR	Facility	Well N	o. W	I Unique Well No.	Common Well	Name	Final Static Water Level				Sur	Surface Elevation I				Borehole Diame		
				_	MW-6		Feet MSL					Feet MSL				<b>8.0</b> Inch		
Boring Location State Plane  N, E							1	Lat 4	401	5′30	" Lo	al Grid			plicab	le)		
		of 51	E 1/	4 of Section 30	т <b>21</b> n, r <b>9</b>	E	Lat 44° 15′ 30′ Long 89° 27′ 50′				Fe	et 🗌			Feet	□ E □ W		
Count	у					DNR Cou			Civil T	own/C	ity/ or	Village						
	RTAG	E				50			ALM	IONI	<u> </u>		~ .					
Sar	nple											-	Soi	Prope	rties	Τ	-	
		nts	Feet	i .	ck Description													
Ħ	red (in	In O	l H	l .	ogic Origin l	For		S	ပ	<b>=</b>		ation and	يد <u>ت</u> و				ents	
Number	ngth	Blow Counts	Depth	Each	Major Unit			SC	Graphic Log	il Agra	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments	
	Length (in) Recovered	BIc	De					n :	Grapl Log	Well Diagram	PII	Sta Per	કૅંડે	Light.	E H	P 2	S S	
			_	Blind drilled to 30'						$\bowtie$	}							
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71 :			-12	1					1 1							<u> </u>	1	
	•	y that t		rmation on this form is	true and correc	<del></del>	est of Firm											
Signati	ure _		<b>/</b> ,	w Land			CHIII		Maxir			ogies nue, Wa	neen T	v:				
		-	~		C							Fax: 7						

7-91

Boring	g Numb	er	MW	Use only as an attachment to Form 4	400-122	•						e 2	of .	2
San	nple									Soil	Prope	rties		
Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			-	Blind drilled, continued										
			_ 13											
			_ 14											
			_ _ 15											
			- - -16									-		
			_ _ 17											
			- 17 - - 18											
			-19 - - -											
			<u>−20</u>											
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			<u>-22</u>											
			23 											
			-24											
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			- 26 -											
			27 											
			- 30	END OF BORING	-									

	o: Solid Waste 🗆 Haz. Waste 🗆 Wastewater 🗀 🔹	MONITORING WELL CONSTRUCTION
Department of Natural Resources Env. Re	esponse & Repair 🗆 Underground Tanks 🛢 Other 🗅	Similar to Form 4400-113A Rev 4-90
Facility/Project Name	Local Grid Location of Well	Well Name
Spiritland Store #9871977	ft.   N.	MW-6
Facility License, Permit or Monitoring Number	Grid Origin Location	Wis. Unique Well Number DNR Well Number
	Lat. 44 15 30" Long. 89° 27' 50" or	
	St. Plane ft. N ft. E.	
Type of Well Water Table Observation Well ■ 11		E. Date Well Installed 0 7/0 7/9 8
	$5W$ 1/4 of $5E$ 1/4 of Sec. $30$ , $72$ [N, R.9 $\Box$	W. mmddyy
Distance Well is From Waste/Source Boundary	Location of Well Relative to Waste/Source	Well Installed By: (Persons Name and Firm)
ft.		
Is Well A Point of Enforcement Std. Application?	u 🗆 Upgradient s 🖪 Sidegradient	Brad Davis
☐ Yes ☐ No	d □ Downgradient n □ Not Known	Maxim Technologies, Inc. (Maxim)
A. Protective pipe, top elevation 1122.	54 A. MSL	1. Cap and lock? ■ Yes □ No
		2. Protective cover pipe:
B. Well casing, top elevation 1122.	18 ft. MSL	a. Inside diameter: 9 . 0 in.
b. Wen casing, top elevation 1122.		b. Length:
0.7 1 (6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
C. Land surface elevation 1122.	59 ft. MSL	c. Material: Steel 04
		Other 🗆
D. Surface seal, bottom ft. MSL or		d. Additional protection? ☐ Yes ■ No
		If yes, describe:
12. USCS classification of soil near screen:		3. Surface seal: Bentonite ■ 30
GP GM GC GW SW SP	, D   J   D   D   D   D   D   D   D   D	Concrete □ 01
SM SC ML MH CL CH	10 / 41/6	Other 🗆 🧶
Bedrock □		4. Material between well casing and protective pipe:
Dedicor L		Bentonite  30
12 Simonologio model 2		***************************************
13. Sieve analysis attached?	)	Annular space seal □
1		Other
1		5. Annual space seal: a. Granular Bentonite   33
. Hollow Stem A		b lbs/gal mud weightBentonite-sand slurry   35
	Other 🗆 🧝	c lbs/gal mud weight Bentonite slurry   31
15. Drilling fluid used: Water □ 02	'Air □ 01	d % Bentonite Bentonite-cement grout   50
Drilling Mud 🗆 03	None <b>=</b> 99	
		eFt3 volume added for any of the above
16. Drilling additives used? ☐ Yes - ■ No	,	f. How installed Tremie □ 01
Describe		Tremie pumped □ 02
		Gravity <b>■</b> 08
17. Source of water (attach analysis):	,	5. Bentonite seal: a. Bentonite granules   33
1,,, 0,00,00 01 ,, 0,001		b. □1/4 in. ■3/8 in. □1/2 in. Bentonite pellets □ 32
		-
E. Bentonite seal, top ft. MSL or _	1.0 ft. — [1] [1]	7. Fine sand material: mfr, product name & mesh size
		a. Badger Mining Corp, Silica BB#7
F. Fine sand, top ft. MSL or _	. <u>1 5</u> . <u>5</u> ft	b. Volume added ft <sup>3</sup>
		3. Filter pack material: mfr, product name and mesh size
G. Filter pack, top ft. MSL or _	17.5ft 😸 🗵 🖊	a. American Materials, Red Flint #30
		b. Volume addedft <sup>3</sup>
H. Screen joint, top ft. MSL or _	19.5a. F: F: /	9. Well casing: Flush threaded PVC schedule 40 = 23
		Flush threaded PVC schedule 80 \( \sigma 24
I Well haven A MCI on	2 0 5 0	
I. Well bottom ft. MSL or _	la · •	Other 🗆
		0. Screen material: Same
J. Filter pack, bottom ft. MSL or _	.30.0ft.	a. Screen type: Factory cut ■ 11
		Continuous slot □ 01
K. Borehole, bottom ft. MSL or _	<u>30.0</u> ft.	Other 🗆 🔔
		b. Manufacturer TIMCO
L. Borehole, diameter 80 in.		c. Slot size: 0. <u>0 1</u> 0 in.
		d. Slotted length: 1 0 . 0 ft.
M O D well casing 2 2 7:-	<u>\</u> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
M. O.D. well casing _ <u>2</u> . <u>3</u> <u>7</u> in.		· · · · · · · · · · · · · · · · · · ·
N. I.B. III	\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	Other 🗆
N. I.D. well casing 2 2 in.		
I hereby certify that the information on this form is tr	ue and correct to the best of my knowledge	
Signature	Firm	
IN W Kul	Maxim Technologies, Inc. (Maxim) #98	71977

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form amy results in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may results in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

Route to: Solid Waste □ Haz. Waste □ Wastewater □ Env. Response & Repair □ Underground Tanks ■ Other □												
Facility/Project Name Spiritland Store			County Portage	Name		Well Name MW-6						
Facility License, Permit or Monitoring Number			nty Code 5 0	Wis. Unique Well		DNR V	Vell Number					
1. Can this well be purged dry?		Yes	■ No		Before Dev	elopment	After Development					
2. Well development method				11. Depth to Wate		ĺ						
surged with bailer and bailed		41		(from top of well casing)	a. <u>2 2</u> .	7 3 ft.	<u>2 2.8 2</u> ft.					
surged with bailer and pumped		61										
surged with block and bailed		42		Date	b. <u>0</u> <u>7/2</u> m m d		0 7/2 1/9 8 m m d d y y					
surged with block and pumped		62				□ AM	☐ AM					
surged with block, bailed and pumped		70		Time	c. <u>0 3:0</u>	_ <u>C</u> PM	<u>0</u> <u>3 : 4</u> <u>5</u> ■ PM					
compressed air bailed only		20 10		12. Sediment in w bottom	vell0 .	0 inches	<u>0</u> <u>0</u> inches					
pumped only		51		12. Water clarity	Clear 🗆 10	)	Clear 20					
pumped slowly		50			Turbid 🗆 1	5	Turbid 🗆 25					
Other		шш	Ĺ		(Describe)		(Describe)					
<ul><li>3. Time spent developing well</li><li>4. Depth of well (from top of well casing)</li></ul>			<u>5</u> min.			 						
4. Depth of well (from top of well casing)		2 9	<u>3</u> ft.									
5. Inside diameter of well		2.0	<u>0</u> in.									
6. Volume of water in filter pack and well casing		4	. <u>5</u> gal.	Fill in if drilling facility:	fluids were u	sed and we	ll is at solid waste					
7. Volume of water removed from well		<u>5</u> 0	. <u>0</u> gal.									
8. Volume of water added (if any)			gal.	14. Total suspend solids	ed	mg/l	mg/l					
9. Source of water added			<del></del>	15. COD		mg/l	mg/l					
10. Analysis performed on water added? (If yes, attach results)		Yes	□ No	•		·						
16. Additional comments on development:												
Well developed by: Person's Name and Firm				I hereby certify the the best of my known		nformation	is true and correct to					
Name; Tod W. Roush						C1 / S	NI					
Pirm. Mayin Technologies Inc Ofmics				Signature:			( ar					
Firm: Maxim Technologies, Inc. (Maxim)				Print Initials: <u>T</u>	<u>W</u> R	<u> </u>						
		Firm: Maxim Tec	hnologies, Inc.	#9871977								

	of Wisc rtment c		ral Res		d Waste			Waste					SOII B Form 4	_	_	ntorn	nation 7-91	
					rgency Respon tewater	□ v	Vater	Resou	l Tanks rces	i				D.	1	of	2	
	ty/Proje					□ c			ermit/M	<b>I</b> onitori	ng N	lumber	Boring	y Num	ge 1 ber		3	
				RE #9871977	1.1-6		D	D :111	ing Star	- L - J	10	- D-1111	PZ-		TD ::::		.1 1	
				me and name of crew c	nier)		Dat		ing stai 7/6/98		D	ate Drilli ,	ng Com 7/6/98	_		Drilling Method HSA		
DNR	Facility	Well N	lo.  W	I Unique Well No.	Common Wel PZ-1	l Name	Final Static Water Level Feet MSL				1	Surface Elevation Feet MSL				Borehole Diameter  8.0 Incl		
	g Locati	on			N, E		1					Local Grid Location (If applicable)						
	State Plane N, E						I	.ong 8	402	7'50	u	F	eet 🗌			Feet	□ E □ W	
Count						DNR Cou			Civil 7		ity/							
	mple	1,12				30			PALOIV			_	Soi	l Prop	erties			
		έδ	ğ	Soil/Roo	ck Description	on											7	
	(in)	ount	a Fe	i i	ogic Origin					,	_		0				nts	
Number	gth	Blow Counts	Depth In Feet	Each	Major Unit			CS	phic	Well Diagram	PID/FIID	ndar	istur itent	nid i	i ;; ;;	8	[ ] [ ]	
Z Em	Length (in) Recovered	Blo	Det					s n	Graphic Log	We.	PIT	Standard Penetration	Moisture Content	Liquid I imit	Plastic Limit	P 200	RQD/ Comments	
			Ė	Blind drilled to 34'														
			-1															
			E															
			<u>−</u> 2	]														
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			- -10															
			-															
			-11															
			F 12															
I herel	y certif	y that t	├─12 the info	ormation on this form is	true and corre	ct to the be	est of	my kn	owledg	ge.	1		<u> </u>	<u> </u>	1		1	
Signat	иге		//	, 4	1/	]	Firm					logies						
	7	-		co The	L				555 So Tel: 71	uth 72n 5 845-4	d Av 100	enue, Wa , Fax: 7	ausau, V 15 842-	Vi 0381				

Boring	g Numb	er	PZ-1	Use only as an attachment to Form	4400-122						Pag	e 2	of .	3
San	nple									Soil	Prope	rties		
Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			E	Blind drilled, continued										
Numb	Lengti Recov	Blow	######################################		OSA		Well   Well		Stand-Penet	Moist   Conte	Liqui	Plasti. Limit	P 200	RQD/ Comm
•			-31 -32		-									

Borin	g Numb	er	PZ-	Use only as an attachment to Form	4400-122						Page	3	of 3	3
	nple									Soil	Proper	ties		
Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			33 34	END OF BORING	Î A									

<del></del>	to: Solid Waste 🗆 Haz. Waste 🗆 Wastewater 🗀	MONITORING WELL CONSTRUCTION
Department of Natural Resources Env. R	Response & Repair 🗌 Underground Tanks 🛢 Other 🗆	Similar to Form 4400-113A Rev 4-90
Facility/Project Name Spiritland Store #9871977	Local Grid Location of Well  ☐ N. ☐ E.  ft. ☐ S ft. ☐ W.	Well Name PZ-1
Facility License, Permit or Monitoring Number	Grid Origin Location	Wis. Unique Well Number DNR Well Number
	Lat. <u>44° 15′ 30″</u> Long. <u>89° 27′ 50′</u> or St. Plane ft. N ft. E.	
Type of Well Water Table Observation Well 11		Date Well Installed 0 7/0 6/9 8
Piezometer 12	$25\underline{\text{W}}1/4 \text{ of } \underline{\text{SE}}1/4 \text{ of Sec. } \underline{\text{30}}, \text{ T.}\underline{\text{21}}\text{N, R.}\underline{\text{9}}  \Box \text{ W.}$	
Distance Well is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source	Well Installed By: (Persons Name and Firm)
Is Well A Point of Enforcement Std. Application?  · □ Yes □ No	u □ Upgradient s □ Sidegradient d ■ Downgradient n □ Not Known	Brad Davis Maxim Technologies, Inc. (Maxim)
A. Protective pipe, top elevation 1123.		Cap and lock? ■ Yes □ No
		Protective cover pipe:
B. Well casing, top elevation 1122.	.85 ft. MSL a.	Inside diameter:90 in.
0.7 1 6 100		Length:
C. Land surface elevation 1123	.Z9 A. MSL c.	Material: Steel ■ 04Other □
D. Surface seal, bottom ft. MSL or	ft d.	Additional protection? ☐ Yes ■ No
		If yes, describe:
12. USCS classification of soil near screen:	1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Surface seal: Bentonite  30
GP GM GC GW SW S		Concrete 🖩 01
SM SC ML MH CL CI		Other 🗆
Bedrock □	4. N	Material between well casing and protective pipe:
13. Sieve analysis attached?	o l	Bentonite □ 30 Annular space seal □
		Other
1 .		Annual space seal: a. Granular Bentonite   33
Hollow Stem	- Annual Control of the Control of t	o lbs/gal mud weightBentonite-sand slurry ☐ 35 c lbs/gal mud weight Bentonite slurry ☐ 31
15. Drilling fluid used: Water □ 02	9000000	1 % Bentonite Bentonite-cement grout  50
Drilling Mud 🗆 03		eFt³ volume added for any of the above
16. Drilling additives used? ☐ Yes ■ No.		Tremie □ 01
Describe		Tremie pumped □ 02
		Gravity ■ 08
17. Source of water (attach analysis):	6. I	Bentonite seal: a. Bentonite granules ☐ 33
		o. □1/4 in. ■3/8 in. □1/2 in. Bentonite pellets □ 32
		c. Chips Other
E. Bentonite seal, top ft. MSL or	1 *! <u>*</u>	ine sand material: mfr, product name & mesh size
		Badger Mining Corp, Silica BB#7
F. Fine sand, top ft. MSL or _		Volume added ft <sup>3</sup> ilter pack material: mfr, product name and mesh size
G. Filter pack, top ft. MSL or _	Control of the Contro	. American Materials, Red Flint #30
G. Filter pack, top	1.· 1.· /	o. Volume added ft <sup>3</sup>
H. Screen joint, top ft. MSL or _		Vell casing: Flush threaded PVC schedule 40 ■ 23
		Flush threaded PVC schedule 80 \( \sigma 24
I. Well bottom ft. MSL or _	_33.0 ft.	Other 🗆
		Screen material: Same
J. Filter pack, bottom ft. MSL or _	_ <u>3 4 . 0</u> ft.	. Screen type: Factory cut ■ 11
0.3607		Continuous slot   01
K. Borehole, bottom ft. MSL or _		Other D
L. Borehole, diameter 8.0 in.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	o. Manufacturer TIMCO c. Slot size:  0. 0 1 0 in.
D. Dotenoie, diameter o iii.	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	c. Slot size: 0. <u>0 1 0 in.</u> 1. Slotted length:
M. O.D. well casing 2 . 3 _7 in.		Backfill material (below filter pack): None ■ 14
	1000	Other 🗆
N. I.D. well casing		
I hereby certify that the information on this form is t	rue and correct to the best of my knowledge	
Signature	Firm	
in a necessition	Maxim Technologies, Inc. (Maxim) #98719	77

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form amy results in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may results in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

Maxim Technologies, Inc. (Maxim) #9871977

MONITORING WELL DEVELOPMENT Similar to Form 4400-113B Rev 4-90

Route to: Solid Waste □ Haz. Waste □ Wastewater □ Env. Response & Repair □ Underground Tanks ■ Other □												
Facility/Project Name Spiritland Store			County l Portage	Name		Well Name PZ-1						
Facility License, Permit or Monitoring Number			nty Code 5 0	Wis. Unique Well		DNR W	Vell Number					
1. Can this well be purged dry?		Yes	■ No		Before Dev	elopment	After Development					
2. Well development method				11. Depth to Wate								
surged with bailer and bailed		41		(from top of well casing)	a <u>2 3</u>	3 6 ft.	<u>2 3 . 4 0</u> ft.					
surged with bailer and pumped		61		_								
surged with block and bailed		42		Date	b. <u>0</u> <u>7/2</u> m m d		$\frac{0}{m} \frac{7/2}{m} \frac{1/9}{d} \frac{8}{y}$					
surged with block and pumped		62					□ AM					
surged with block, bailed and pumped		70		Time	c. <u>1 2:5</u>		<u>0</u> <u>1:4</u> <u>0</u> ■ PM					
compressed air bailed only		20 10		12. Sediment in w bottom	vell0 · .	5 inches	<u>0</u> <u>0</u> inches					
pumped only		<b>5</b> 1		12. Water clarity	Clear 🗆 10		Clear 20					
pumped slowly		50			Turbid <b>1</b>	5	Turbid □ 25					
Other		₩ ₩	Ĺ		(Describe)		(Describe)					
					Gray brown							
3. Time spent developing well	_	4	<u>5</u> min.			,						
4. Depth of well (from top of well casing)		3 2	<u>. 8</u> ft.									
5. Inside diameter of well		2.0	<u>0</u> in.		-		**************************************					
6. Volume of water in filter pack and well casing		3	. <u>5</u> gal.	Fill in if drilling facility:	fluids were u	sed and we	ll is at solid waste					
7. Volume of water removed from well		<u>5 0</u>	. <u>0</u> gal.									
8. Volume of water added (if any)			gal.	14. Total suspend solids	ed	mg/l	mg/l					
9. Source of water added				15. COD		mg/l	mg/l					
10. Analysis performed on water added? (If yes, attach results)		Yes	□ No	•		•						
16. Additional comments on development:												
Well developed by: Person's Name and Firm				I hereby certify the the best of my known		nformation :	is true and correct to					
Name: Tod W. Roush				_								
Firm: Maxim Technologies, Inc. (Maxim)			<del></del>	Signature:								
		Firm: Maxim Tec			<del>\$</del> 9871977							

#### APPENDIX D

PID Logs

Project Spirit	tland				Date	04/17/98
Location Alı	mond				Job No	98-033
Instrument ID	Number					
Calibration D						1.7 eV
Calibration G	<b>as</b> <u>.1 ppm</u>	benzene		W4444		
Background I	Reading (p	ore)	1.5	ppm	post	ppm
Background I	Reading L	ocation <u>T</u>	ruck cab			
Note Possible	e Interfere	nces				
Weathe	er Conditio				Temp	45 <b>F</b>
Soil Boring II	SB-1	***************************************		_ Other _	<del></del>	MANAGEMENT OF THE PROPERTY OF
Sample ID	Depth Below Surface (feet)	Stable (ppm)	High Peak (ppm)	Int. Scale	Notes	
SB-1	2-4	.45	18.1			
	4-6	.45	26			
	6-8	.45	22			
	8-10	.45	43			
	10-12	0.8	26		Med light brown sand (	fill)
*	12-14	1.4	74		1)	
	14-16	2.2	32		11	
	16-18	2.2	3.0		" mois	t
	18-20	2.6	2.8		" mois	t
*	20-22	0	1.4		" mois	t
	22-24	No PID Read	ling		Water table at 23.5' +/-	
					Gas odor in saturated po	ortion ofsample.
Comments: *	Took soil sam					
Form Completed I	Ву:				Reviewed By:	

ESP GROUP, INC.

LAMPERT-LEE & ASSOCIATES

f:c:\datafile\filled\spiritl1.pid

Instrument ID Number  Calibration Date _04/17/98  Calibration Gas1 ppm benzene  Background Reading (pre) 0 ppm	_ _ Lamp _ _	98-033 11.7 <b>eV</b>
Calibration Date _04/17/98  Calibration Gas1 ppm benzene  Background Reading (pre) 0 ppm	_ Lamp _ _	11.7 <b>eV</b>
Calibration Date _04/17/98  Calibration Gas1 ppm benzene  Background Reading (pre) 0 ppm	_ Lamp _ _	11.7 <b>eV</b>
Background Reading (pre) ppm		
	post _	ppm
Background Reading Location Truck cab	- Landson Mills	
Note Possible Interferences		Mark William Control of the Control
Weather Conditions sunny, breezy	Tei	mp <u>45</u> F
Soil Boring ID SB-2 Other		
Depth Below High Sample Surface Stable Peak Int. ID (feet) (ppm) (ppm) Scale	Notes	
SB-2 8-10 0 106	Strong gas odor M	led-lt brown sand (glacial t
* 10-12 0 117	11	11
12-14 0 15	11	11
14-16 0 2.1	tt	"
16-18 0 63	11	II .
* 18-20 0 79	II II	II .
20-22 0 18.9	moist	
22-24 No PID Reading	Water table at 23.5'	' +/
	Gas odor in water.	
Comments: * Took soil sample		
SB-2 in center of former tank excavation		

Project Spiri	tland				_ Date	04/17/98
Location <u>Al</u>	mond				Job No	98-033
Instrument IC	Number _				_	
Calibration D						1.7 <b>eV</b>
Calibration G	as <u>.1 ppm l</u>	enzene			_	
Background	Reading (p	re)	0	ppm	post	ppm
Background	Reading Lo	cation <u>T</u>	uck cab			
Note Possibl	e Interferen	ces				
					Temp	
Soil Boring II	N 28-3			_ Other _		FROM PORT OF STREET
Sample ID	Depth Below Surface (feet)	Stable (ppm)	High Peak (ppm)	Int. Scale	Notes	
SB-3	2-4	0	1.9		Black loamy topsoil over	er med brown sand
	4-6	0	1.7	:	(glacial till)	
	6-8	0	1.7		Sand	
-	8-10	0	1.6		11	
	10-12	0	0.7		It	
*	12-14	0	12.6		Moist sand	
	14-16	0	1.2		ti .	
	16-18	0	1.8		11	
	18-20	0	1.8	-	11	
*	20-22	0	2.4		Moist	
						200
Comments: *	Took soil samp	le				
	AND COLUMN TO THE COLUMN TO TH					

ESP GROUP, INC.
LAMPERT-LEE & ASSOCIATES

f:c:\datafile\filled\spiritl3.pid

Project Spiritla	and				Date	04/17/98
Location Alm	ond				Job No	98-033
Instrument ID I	Number					
Calibration Dat						1.7 <b>eV</b>
Calibration Gas	<b>s</b> <u>.1 ppm</u>	benzene			_	
Background Re	eading (p	ore)	0	ppm	post	ppm
Background Re	eading Lo	ocation <u>Tr</u>	uck cab	and the state of t		
Note Possible	Interferer	nces				
					Temp	
Soil Boring ID						
Sample ID	Depth Below Surface (feet)	Stable (ppm)	High Peak (ppm)	Int. Scale	Notes	
SB-4	4-6	0	1.3		Fill & gravel to 4'. Med	Brown sand below
	6-8	0	1.9			
***	8-10	0	1.6			
	10-12	0	1.5			
*	12-14	0	1.9			
	14-16	0	1.4			
	16-18	0	1.6			
*	18-20	0	2.0			
	20-22	Lost drill ster	n & sampler.	No water sam	ple E.O.B. = 20'	
		4444-048				
Comments: * To	ook soil samj	ole				
					***************************************	
Form Completed By	·		-		Reviewed By:	

Project Spiri	tland				<b>Date</b> 04/17/98
Location <u>Al</u>	mond				Job No98-033
Instrument IC	Number _		Annual of the second color to the second color		_
Calibration D					
Calibration G	as <u>.1 ppm l</u>	oenzene			_
Background	Reading (p	re)	0	ppm	postppr
Background	Reading Lo	cation <u>T</u>	ruck cab		· · · · · · · · · · · · · · · · · · ·
Note Possible	e Interferen	ces			
					Temp48 F
Soil Boring II	SB-5			_Other _	
Sample ID	Depth Below Surface (feet)	Stable (ppm)	High Peak (ppm)	Int. Scale	Notes
SB-5	2-4	0	1.2		Coarse sand (glacial till)
	5-7	0	2.4		
	7-9	0	3.6		Little or no odor
	11-13	0	2.6		
*	13-15	0	98		Very strong gas odor
					E.O.B. @ 15'
***************************************					
Comments: *	Took soil samp	le.			
Form Completed	•				Reviewed By:

Project Spirit	tland				<b>Date</b> 04/17/98
Location Al	mond				Job No. 98-033
Instrument ID	Number _				
Calibration D					
Calibration G	<b>as</b> <u>.1 ppm l</u>	enzene			_
Background I	Reading (p	re)	0	ppm	postppm
Background I	Reading Lo	cation <u>T</u>	ruck cab		
Note Possible	e Interferen	ces			Pacitable production of the Santanaphae in the option of the state of the santanaphae in
Weathe	er Condition				Temp 48 F
Soil Boring II	SB-6			Other _	
Sample ID	Depth Below Surface (feet)	Stable (ppm)	High Peak (ppm)	Int. Scale	Notes
SB-6	12-14	0	2.2	:	
	14-16	0	2.9		
	16-18	0	7.0		
*	18-20	0	8.3		
*	20-22	0	Hit water at 2	22'	
					E.O.B. @ 22'
	AL W.			!	
Comments: Mo	oved out 10' fur Took samples		k bed.		
Form Completed E					Reviewed By:

LAMPERT-LEE & ASSOCIATES

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Project Spirit	itland		/PW		Date04/23/98
Location Al	lmond				Job No98-033
Instrument II	Number _				
Calibration D					
Calibration G	as <u>0.1 ppm</u>	benzene	54-10-		_
Background	Reading (p	re)	0	ppm	post ppr
Background	Reading Lo	cation <u>or</u>	ıtside		
Note Possibl	e Interferen	ces			
Weath	er Conditio				Temp65 F
Soil Boring I	<b>D</b> SB-7			_Other _	
Sample ID	Depth Below Surface (feet)	Stable (ppm)	High Peak (ppm)	Int. Scale	Notes
SB-7	14	0	0		Coarse sand, (glacial till) small sample
	14-16	0	12.2		obtained at bottom only.
	16-18	0	30		Moist
*	18-20	0	46		Moist
*	20-22	0	0		Moist
*	23.5' + water ta	ble (water san	nple)		
omments: *	Took samples				
orm Completed	Ву:				Reviewed By:
ESP GROUP, IN	•				f:c:\datafile\filled\spiritl7.pid

Project Spirit	land				<b>Date</b> 04/23/98
Location <u>Alr</u>	nond			*****	<b>Job No.</b> 98-033
Instrument ID	Number				_
Calibration Da					
Calibration G	as <u>0.1 pp</u> n	n benzene		***************************************	_
Background F	Reading (p	ore)	0	ppm	postppn
Background F	Reading L	ocation			
Note Possible	Interfere	nces			- I also de contrato de la contrato de la contrato de la contrato de la contrato de la contrato de la contrato
Weathe	r Conditio	ns sunny		and Andrews V	Temp70 F
Soil Boring ID	SB-8	0.00	- Mary Mary 1 Wash	_Other _	
Sample ID	Depth Below Surface (feet)	Stable (ppm)	High Peak (ppm)	Int. Scale	Notes
SB-8	12-14	0	0		Coarse sand, (glacial till)
	14-16	0	0		
	16-18	0	0		
	18-20	0	.7		Only recovered 19-20' - rocks above
*	20-22	0	.9		
*	24'	Took water	sample		Water had gas odor.
	1.107				
Comments: *	Γοοk samples				
orm Completed E	2).				Reviewed By:

LAMPERT-LEE & ASSOCIATES

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#### APPENDIX E

Laboratory Results - Soil Samples

**U.S. FILTER/ENVIROSCAN** 301 WEST MILITARY ROAD ROTHSCHILD, WI 54474 TELEPHONE 715-359-7226 FACSIMILE 715-355-3221

May 7, 1998

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

Re: 98-033

Please find enclosed the analytical results for the sample(s) received April 18, 1998.

The chain of custody document is enclosed.

If you have any questions about the results, please call. Thank you for using US Filter/Enviroscan for your analytical needs.

Sincerely,

US Filter/Enviroscan

Laurie M. Pietrowski Analytical Chemist

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY:

Client Sample	SB-1	12-14	, Enviroscan Analytical # 33787, Results are in Units of	mg/kg
			Qı	uality

overet.								Quality	
W .!   EDA 0004	145.4	LUST	LUST			ESULT	_	Control	Analysis
Method EPA 8021	MDL	LOD	LOQ		Wet		Dry	Qualifiers	Date
	0.012	0.025			0 025		0 024		0/ /05 /00
Benzene	0.007		0.060	<	0.025	<	0.026		04/25/98
Bromobenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/25/98
Bromodichloromethane		0.025	0.060	<	0.025	<	0.026		04/25/98
Carbon Tetrachloride	800.0	0.025	0.060	<	0.025	<	0.026		04/25/98
Chlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/25/98
hloroethane	0.006	0.025	0.060	<	0.025	<	0.026		04/25/98
Chloroform	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
Chloromethane	0.012	0.025	0.060	<	0.025	<	0.026	CSH SPH DUP	04/25/98
p-Chlorotoluene	0.003	0.025	0.060	<	0.025	<	0.026	CSH	04/25/98
>-Chlorotoluene	0.005	0.025	0.060	<	0.025	<	0.026		04/25/98
thlorodibromomethane	0.004	0.025	0.060	<	0.025	<	0.026	DUP	04/25/98
1,2-Dibromo-3-chloropropane	0.017	0.025	0.060	<	0.025	<	0.026		04/25/98
1,2-Dichlorobenzene	0.014	0.025	0.060	<	0.025	<	0.026		04/25/98
,3-Dichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/25/98
,4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
1,1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
1,2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.026	SPH	04/25/98
1.1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.026		04/25/98
is-1,2-Dichloroethylene	0.007	0.025	0.060	<	0.025	<	0.026		04/25/98
trans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	CSH DUP	04/25/98
Methylene Chloride	0.009	0.025	0.060		0.068		0.070	LBC	04/25/98
1,2-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
,3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
2-Dichloropropane	0.007	0.025	0.060	<	0.025	<	0.026	CSL	04/25/98
Ethylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/25/98
1,2-Dibromoethane	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
1,1,2,2-Tetrachloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
etrachloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
oluene	0.003	0.025	0.060	<	0.025	<	0.026		04/25/98
1,1,1-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026		04/25/98
1,1,2-Trichloroethane	0.007	0.025	0.060	· <	0.025	<u> </u>	0.026		04/25/98
richloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
inyl Chloride	0.002	0.025	0.060	<u>`</u>	0.025	<u>`</u>	0.026		04/25/98
	0.010	0.025	0.060	₹	0.025	<	0.026		04/25/98
o-Xylene & Styrene	0.010	0.025	0.060	~	0.025	<	0.026		04/25/98
m- & p-Xylene	0.016	0.025	0.060	~	0.025	`	0.026		04/25/98
ethyl tert Butyl Ether				` `		`			
,3,5-Trimethylbenzene	0.019	0.025	0.060		0.025		0.026		04/25/98
1,2,4-Trichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
1,2,3-Trichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/25/98
Isopropylbenzene	0.006	0.025	0.060	<	0.025	<	0.026	001	04/25/98
ichlorodifluoromethane	0.004	0.025	0.060	<	0.025	<	0.026	SPL	04/25/98
aphthalene	0.016	0.025	0.060	<	0.025	<	0.026		04/25/98
Trichlorofluoromethane	0.002		0.060	<	0.025	<	0.026		04/25/98
Hexachlorobutadiene	0.003	0.025	0.060	<	0.025	<	0.026		04/25/98
-Propylbenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/25/98
-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/25/98
,2,4-Trimethylbenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/25/98
sec-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/25/98
tert-Butylbenzene	0.004	0.025	0.060	<	0.025	<	0.026		04/25/98
-Isopropyltoluene	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
sopropyl Ether	0.006	0.025	0.060	<	0.025	<	0.026		04/25/98
6 W									

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY:

Client Sample SB-1 20-22 , Enviroscan Analytical # 33788, Results are in Units of mg/kg

			LUST	LUST		DI	ESULT		Control	Analysis
	Method EPA 8021	MDL	LOD	LOQ		Wet	LJULI	Dry	Qualifiers	Date
	Benzene	0.012	0.025	0.060	<	0.025	<	0.026		04/25/98
	Bromobenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/25/98
	Bromodichloromethane	0.005	0.025	0.060	<	0.025	<	0.026		04/25/98
	Carbon Tetrachloride	800.0	0.025	0.060	<	0.025	<	0.026		04/25/98
	Chlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/25/98
	*Chloroethane	0.006	0.025	0.060	<	0.025	<	0.026		04/25/98
	Chloroform	0.002	0.025	0.060	<	0.025	<	0.026	0011 0011 0110	04/25/98
	Chloromethane	0.012	0.025	0.060	<	0.025	<	0.026	CSH SPH DUP	04/25/98
	o-Chlorotoluene	0.003	0.025	0.060	<	0.025	<	0.026	CSH	04/25/98
	p-Chlorotoluene	0.005	0.025	0.060	<	0.025	<	0.026	DUD	04/25/98
	Chlorodibromomethane	0.004	0.025	0.060	<	0.025	<	0.026	DUP	04/25/98
	1,2-Dibromo-3-chloropropane	0.017	0.025	0.060	<	0.025	<	0.026		04/25/98
	1,2-Dichlorobenzene	0.014	0.025	0.060	<	0.025	<	0.026		04/25/98
	1,3-Dichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/25/98
	1,4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
	1,1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.026	CDII	04/25/98
	1,2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.026	SPH	04/25/98
	1,1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.026		04/25/98
	cis-1,2-Dichloroethylene	0.007		0.060	<	0.025	<	0.026	COU DUD	04/25/98
	trans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	CSH DUP	04/25/98
	Methylene Chloride	0.009	0.025	0.060		0.078	_	0.080	LBC	04/25/98
	1,2-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/25/98
	1,3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026	CSL	04/25/98
	2,2-Dichloropropane	0.007	0.025	0.060	< <	0.025	< <	0.026	USL	04/25/98
	Ethylbenzene	0.006	0.025	0.060		0.025 0.025	<	0.026 0.026		04/25/98
	1,2-Dibromoethane	0.002	0.025	0.060	<					04/25/98
	1,1,2,2-Tetrachloroethane	0.002		0.060	<	0.025	<	0.026		04/25/98
ė,	Tetrachloroethylene	0.002	0.025	0.060	< <	0.025 0.025	< <	0.026		04/25/98 04/25/98
	Toluene	0.003 0.007	0.025 0.025	0.060	<	0.025	<	0.026 0.026		04/25/98
	1,1,1-Trichloroethane				~	0.025	` `	0.026		
	1,1,2-Trichloroethane	0.007	0.025 0.025	0.060	<	0.025	~	0.026		04/25/98 04/25/98
	Trichloroethylene	0.002	0.025	0.060	~	0.025	`	0.026		04/25/98
	Vinyl Chloride	0.002	0.025	0.060	` `	0.025	` `	0.026		04/25/98
	o-Xylene & Styrene	0.010	0.025	0.060	`	0.025	~	0.026		04/25/98
	m- & p-Xylene	0.016	0.025	0.060	~	0.025	<	0.026		04/25/98
	Methyl tert Butyl Ether	0.019	0.025	0.060	~	0.025	~	0.026		04/25/98
	1,3,5-Trimethylbenzene	0.002	0.025	0.060	~	0.025	~	0.026		04/25/98
	1,2,4-Trichlorobenzene	0.002	0.025	0.060	~	0.025	``	0.026		04/25/98
	1,2,3-Trichlorobenzene	0.005	0.025	0.060	~	0.025	~	0.026		04/25/98
	Isopropylbenzene Dichlorodifluoromethane	0.004	0.025	0.060	<	0.025	<	0.026	SPL	04/25/98
	Naphthalene	0.016	0.025	0.060	<	0.025	<	0.026	51 2	04/25/98
	Trichlorofluoromethane	0.002	0.025	0.060	<u> </u>	0.025	<	0.026		04/25/98
	Hexachlorobutadiene	0.002	0.025	0.060	<u> </u>	0.025	<	0.026		04/25/98
	I	0.007	0.025	0.060	<u>`</u>	0.025	ζ	0.026		04/25/98
	n-Propylbenzene n-Butylbenzene	0.006	0.025	0.060	~	0.025	~	0.026		04/25/98
	1,2,4-Trimethylbenzene	0.007	0.025	0.060	<	0.025	~	0.026		04/25/98
	sec-Butylbenzene	0.007	0.025	0.060	~	0.025	~	0.026		04/25/98
	tert-Butylbenzene	0.004	0.025	0.060	<u>`</u>	0.025	<	0.026		04/25/98
	o-Isopropyltoluene	0.002	0.025	0.060	<u> </u>	0.025	~	0.026		04/25/98
	Isopropyl Ether	0.006	0.025	0.060	·	0.025	ς.	0.026		04/25/98
		5.000	0,000		-					· · · · · · · · ·

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East VisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY: \( \text{YM} \)

	client Sample SB-2 10-12	, Enviro	scan An	alytical	# 337	90, Res	ults	are in Units	of mg/kg Quality	
			LUST	LUST		RI	ESULT		Control	Analysis
-	Method EPA 8021	MDL	LOD	LOQ		Wet		Dry	Qualifiers	Date
		0.420	0.005	0.040		0.200		0.000		0/ 405 400
	Benzene	0.120	0.025	0.060	<	0.200	<	0.209		04/25/98
	Bromobenzene	0.071	0.025	0.060	<	0.200	<	0.209		04/25/98
	Bromodichloromethane	0.050	0.025	0.060	<	0.200	< <	0.209		04/25/98
	Carbon Tetrachloride	0.082	0.025	0.060	<	0.200		0.209		04/25/98
	hlorobenzene	0.028	0.025 0.025	0.060	< <	0.200 0.200	< <	0.209 0.209		04/25/98
•	thloroethane	0.038	0.025	0.060 0.060	<	0.200	<			04/25/98
	Chloroform Chloromethane	0.118	0.025	0.060	` `	0.200	`	0.209 0.209	CSH SPH DUP	04/25/98 04/25/98
	b-Chlorotoluene	0.026	0.025	0.060	~	0.200	~	0.209	CSH	04/25/98
	b-Chlorotoluene	0.049	0.025	0.060	~	0.200	~	0.209	Con	04/25/98
	Chlorodibromomethane	0.045	0.025	0.060	` <	0.200	<b>`</b>	0.209	DUP	04/25/98
	1,2-Dibromo-3-chloropropane	0.171	0.025	0.060	<u>`</u>	0.200	<	0.209	DOI	04/25/98
	1,2-Dichlorobenzene	0.136	0.025	0.060	<	0.200	₹	0.209		04/25/98
	,3-Dichlorobenzene	0.028	0.025	0.060	<b>`</b>	0.200	<i>`</i>	0.209		04/25/98
į	,4-Dichlorobenzene	0.020	0.025	0.060	` <	0.200	ζ	0.209		04/25/98
	1,1-Dichloroethane	0.019	0.025	0.060	<u>`</u>	0.200	ζ.	0.209		04/25/98
	1,2-Dichloroethane	0.013	0.025	0.060	·	0.200	` <	0.209	SPH	04/25/98
	,1-Dichloroethylene	0.061	0.025	0.060	<u>`</u>	0.200	<	0.209	01.11	04/25/98
	is-1,2-Dichloroethylene	0.074	0.025	0.060	<	0.200	<	0.209		04/25/98
	trans-1,2-Dichloroethylene	0.024	0.025	0.060	<	0.200	<	0.209	CSH DUP	04/25/98
	Methylene Chloride	0.089	0.025	0.060		0.595		0.622	LBC	04/25/98
	,2-Dichloropropane	0.020	0.025	0.060	<	0.200	<	0.209		04/25/98
	,3-Dichloropropane	0.017	0.025	0.060	<	0.200	<	0.209		04/25/98
	2,2-Dichloropropane	0.074	0.025	0.060	<	0.200	<	0.209	CSL	04/25/98
	Ethylbenzene	0.060	0.025	0.060		0.336		0.351		04/25/98
	1,2-Dibromoethane	0.020	0.025	0.060	<	0.200	<	0.209		04/25/98
	1,2,2-Tetrachloroethane	0.023	0.025	0.060	<	0.200	<	0.209		04/25/98
	etrachloroethylene	0.017	0.025	0.060	<	0.200	<	0.209		04/25/98
;	Toluene	0.035	0.025	0.060	<	0.200	<	0.209		04/25/98
	1,1,1-Trichloroethane	0.066	0.025	0.060	<	0.200	<	0.209		04/25/98
	,1,2-Trichloroethane	0.066	0.025	0.060	<	0.200	<	0.209		04/25/98
	richloroethylene	0.017	0.025	0.060	<	0.200	<	0.209		04/25/98
į,	Vinyl Chloride	0.020	0.025	0.060	<	0.200	<	0.209		04/25/98
	o-Xylene & Styrene	0.103	0.025	0.060		0.288		0.301		04/25/98
	m- & p-Xylene	0.110	0.025	0.060		0.205		0.214		04/25/98
	lethyl tert Butyl Ether	0.164	0.025	0.060	<	0.200	<	0.209		04/25/98
	,3,5-Trimethylbenzene	0.190	0.025	0.060		8.770		9.164		04/25/98
	1,2,4-Trichlorobenzene	0.021	0.025	0.060	<	0.200	<	0.209		04/25/98
	1,2,3-Trichlorobenzene	0.028	0.025	0.060	<	0.200	<	0.209		04/25/98
	sopropylbenzene	0.062	0.025	0.060		0.748		0.782		04/25/98
	ichlorodifluoromethane	0.044	0.025	0.060	<	0.200	<	0.209	SPL	04/25/98
	Naphthal ene	0.162	0.025	0.060		9.117		9.527		04/25/98
	Trichlorofluoromethane	0.018	0.025	0.060	<	0.200	<	0.209		04/25/98
	ዛexachlorobutadiene	0.033	0.025	0.060	<	0.200	<	0.209		04/25/98
	1-Propylbenzene	0.068	0.025	0.060		2.602		2.719		04/25/98
	-Butyl benzene	0.064	0.025	0.060		7.630		7.973		04/25/98
	1,2,4-Trimethylbenzene	0.070	0.025	0.060		5.278		5.515		04/25/98
	sec-Butylbenzene	0.062	0.025	0.060		2.669		2.789		04/25/98
	ert-Butylbenzene	0.040	0.025	0.060	<	0.200	<	0.209		04/25/98
	-Isopropyltoluene	0.022	0.025	0.060		2.126		2.222		04/25/98
٤.,	Isopropyl Ether	0.064	0.025	0.060	<	0.200	<	0.209		04/25/98

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East /isconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY:

lient Sample SB-2 18-20	, Enviro	scan Ar	alytical	# 33	791, Resi	ults	are in Uni	ts of mg/kg	
		1.110.						Quality	
31 . ( I mp. 0004		LUST	LUST			ESULT		Control	Analysis
lethod EPA 8021	MDL	LOD	LOQ		Wet		Dry	Qualifiers	Date
WA WE WE WE WE WE WE WE WE WE WE WE WE WE	0.012	0.025	0.060	<	0.025		0.028		
Bromobenzene	0.007	0.025	0.060	~	0.025	< <	0.028		04/25/98
Bromodichloromethane	0.005	0.025	0.060	~	0.025	~	0.028		04/25/98 04/25/98
arbon Tetrachloride	0.003	0.025	0.060	~	0.025	~	0.028		04/25/98
hlorobenzene	0.003	0.025	0.060	~	0.025	`	0.028		04/25/98
Chloroethane	0.006	0.025	0.060	~	0.025	~	0.028		04/25/98
Chloroform	0.002	0.025	0.060	`\ <	0.025	~	0.028		04/25/98
3hloromethane	0.012	0.025	0.060	<	0.025	~	0.028	CSH SPH DUP	04/25/98
-Chlorotoluene	0.003	0.025	0.060	·	0.025	ζ.	0.028	CSH	04/25/98
	0.005	0.025	0.060	<	0.025	~	0.028	0011	04/25/98
Chlorodibromomethane	0.004	0.025	0.060	ζ	0.025	<	0.028	DUP	04/25/98
1,2-Dibromo-3-chloropropane	0.017	0.025	0.060	ζ.	0.025	₹	0.028	501	04/25/98
,2-Dichlorobenzene	0.014	0.025	0.060	ζ.	0.025	<	0.028		04/25/98
,3-Dichlorobenzene	0.003	0.025	0.060	ζ.	0.025	₹	0.028		04/25/98
1,4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
1,1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
2.2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.028	SPH	04/25/98
,1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.028	0, ,,	04/25/98
is-1,2-Dichloroethylene	0.007	0.025	0.060	<i>`</i>	0.025	<	0.028		04/25/98
trans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.028	CSH DUP	04/25/98
Methylene Chloride	0.002	0.025	0.060	•	0.077	•	0.086	LBC	04/25/98
,2-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.028	250	04/25/98
3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
2,2-Dichloropropane	0.007	0.025	0.060	<	0.025	<	0.028	CSL	04/25/98
Ethylbenzene	0.006	0.025	0.060	-	0.027		0.030		04/25/98
1,2-Dibromoethane	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
,1,2,2-Tetrachloroethane	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
etrachloroethylene	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
Toluene	0.003	0.025	0.060	<	0.025	<	0.028		04/25/98
1,1,1-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.028		04/25/98
,1,2-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.028		04/25/98
richloroethylene	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
Vinyl Chloride	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
o-Xylene & Styrene	0.010	0.025	0.060		0.031		0.035		04/25/98
1- & p-Xylene	0.011	0.025	0.060	<	0.025	<	0.028		04/25/98
ethyl tert Butyl Ether	0.016	0.025	0.060	<	0.025	<	0.028		04/25/98
,3,5-Trimethylbenzene	0.019	0.025	0.060		1.062		1,192		04/25/98
1,2,4-Trichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
1,2,3-Trichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.028		04/25/98
sopropylbenzene	0.006	0.025	0.060		0.085		0.095		04/25/98
ichlorodifluoromethane	0.004	0.025	0.060	<	0.025	<	0.028	SPL	04/25/98
Naphthalene	0.162	0.025	0.060		3.490		3.917	MB	04/30/98
Trichlorofluoromethane	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
'lexachlorobutadiene	0.003	0.025	0.060	<	0.025	<	0.028		04/25/98
-Propylbenzene	0.007	0.025	0.060		0.400		0.449		04/25/98
Butylbenzene	0.006	0.025	0.060		0.838		0.941		04/25/98
1,2,4-Trimethylbenzene	0.007	0.025	0.060		0.660		0.741		04/25/98
sec-Butylbenzene	0.006	0.025	0.060		0.535		0.600		04/25/98
ert-Butylbenzene	0.004	0.025	0.060	<	0.025	<	0.028		04/25/98
-Isopropyltoluene	0.002	0.025	0.060	<	0.025	<	0.028		04/25/98
sopropyl Ether	0.006	0.025	0.060	<	0.025	<	0.028		04/25/98
	_								

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY:

Client Sample SB-3 12-14 , Enviroscan Analytical # 33793, Results are in Units of mg/kg

		LUST	LUST		RI	ESULT		Quality Control	Analysis
Method EPA 8021	MDL	LOD	LOQ		Wet		Dry	Qualifiers	Date
Benzene	0.012	0.025	0.060	<	0.025	<	0.026		04/28/98
Bromobenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/28/98
Bromodichloromethane	0.005	0.025	0.060	<	0.025	<	0.026		04/28/98
Carbon Tetrachloride	0.008	0.025	0.060	<	0.025	<	0.026	SPL	04/28/98
Chlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/28/98
Chloroethane	0.006	0.025	0.060	<	0.025	<	0.026	SPL DUP	04/28/98
Chloroform	0.002	0.025	0.060	<	0.025	<	0.026		04/28/98
Chloromethane	0.012	0.025	0.060	<	0.025	<	0.026	CSL SPL DUP	04/28/98
o-Chlorotoluene	0.003	0.025	0.060	<	0.025	<	0.026		04/28/98
p-Chlorotoluene	0.005	0.025	0.060	<	0.025	<	0.026		04/28/98
Chlorodibromomethane	0.004	0.025	0.060	<	0.025	<	0.026	CSL	04/28/98
1,2-Dibromo-3-chloropropane	0.017	0.025	0.060	<	0.025	<	0.026		04/28/98
1,2-Dichlorobenzene	0.014	0.025	0.060	<	0.025	<	0.026		04/28/98
1,3-Dichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/28/98
1,4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/28/98
1,1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/28/98
1,2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.026		04/28/98
1,1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.026		04/28/98
cis-1,2-Dichloroethylene	0.007	0.025	0.060	<	0.025	<	0.026		04/28/98
trans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	CSH	04/28/98
Methylene Chloride	0.009	0.025	0.060	<	0.025	<	0.026	CSL	04/28/98
1,2-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/28/98
1,3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026	001	04/28/98
2,2-Dichloropropane	0.007	0.025	0.060	<	0.025	<	0.026	SPL	04/28/98
Ethylbenzene	0.006	0.025	0.060	<	0.025	<	0.026	201	04/28/98
1,2-Dibromoethane	0.002	0.025	0.060	<	0.025	<	0.026	CSL	04/28/98
1,1,2,2-Tetrachloroethane	0.002	0.025	0.060	<	0.025	<	0.026	CSH	04/28/98
Tetrachloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/28/98
Toluene	0.003	0.025	0.060	<	0.025	<	0.026	001	04/28/98
1,1,1-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026	SPL	04/28/98
1,1,2-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026		04/28/98
Trichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	ani ani nin	04/28/98
Vinyl Chloride	0.002	0.025	0.060	<	0.025	<	0.026	CSL SPL DUP	04/28/98
o-Xylene & Styrene	0.010	0.025	0.060	<	0.025	<	0.026		04/28/98
n- & p-Xylene	0.011	0.025	0.060		0.029	_	0.031		04/28/98
Methyl tert Butyl Ether	0.016	0.025	0.060	<	0.025	<	0.026		04/28/98
1,3,5-Trimethylbenzene	0.019	0.025	0.060		0.037	<	0.039		04/28/98
1,2,4-Trichlorobenzene	0.002	0.025	0.060	<	0.025		0.026		04/28/98
1,2,3-Trichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/28/98
Isopropylbenzene	0.006	0.025	0.060	<	0.025	<	0.026	CDI DIID	04/28/98
Dichlorodifluoromethane	0.004	0.025	0.060	<	0.025	<	0.026	SPL DUP	04/28/98
Naphthalene	0.016	0.025	0.060		0.062	_	0.065	SPL	04/28/98
Trichlorofluoromethane	0.002	0.025	0.060	<	0.025	<	0.026	SPL	04/28/98
Hexachlorobutadiene	0.003	0.025	0.060	<	0.025 0.062	<	0.026		04/28/98
n-Propylbenzene	0.007	0.025	0.060				0.065		04/28/98
h-Butylbenzene	0.006	0.025	0.060		0.076		0.080 0.029		04/28/98
1,2,4-Trimethylbenzene	0.007	0.025	0.060		0.028 0.059		0.029		04/28/98
sec-Butylbenzene	0.006	0.025	0.060						04/28/98
tert-Butylbenzene	0.004	0.025	0.060		0.044		0.046		04/28/98
p-Isopropyltoluene	0.002	0.025	0.060		0.081	,	0.085		04/28/98
Isopropyl Ether	0.006	0.025	0.060	<	0.025	<	0.026		04/28/98

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East isconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY: MP

lient Sample SB-3 20-22	, Enviro	scan Ar	alytical	L # 33	794, Resi	ults	are in Uni	ts of mg/kg Quality	
		LUST	LUST		Ri	ESULT		Control	Analysis
1ethod EPA 8021	MDL	LOD	LOQ		Wet		Dry	Qualifiers	Date
	0.040	0 025	0.040		0 025		0.026		0/ /0/ /00
enzene	0.012	0.025	0.060	<	0.025	<	0.026		04/26/98
Bromobenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
Bromodichloromethane	0.005	0.025	0.060	<	0.025	<	0.026		04/26/98
arbon Tetrachloride	0.008	0.025	0.060	<	0.025	<	0.026		04/26/98
hlorobenzene	0.003	0.025	0.060	<	0.025	< <	0.026		04/26/98
chloroethane	0.006	0.025	0.060	<	0.025 0.025	<	0.026 0.026		04/26/98
Chloroform	0.002	0.025	0.060 0.060	< <	0.025	<	0.026	CSH SPH DUP	04/26/98 04/26/98
Shloromethane	0.012	0.025		<		~	0.026	CSH SPH DOP	
-Chlorotoluene	0.003		0.060	<	0.025	<	0.026	, con	04/26/98
)-Chlorotoluene	0.005	0.025	0.060		0.025		0.026	DUP	04/26/98
Chlorodibromomethane	0.004	0.025	0.060	<	0.025	<	0.026	DUP	04/26/98
1,2-Dibromo-3-chloropropane	0.017	0.025	0.060	<	0.025	<			04/26/98
,2-Dichlorobenzene	0.014	0.025	0.060	<	0.025	<	0.026		04/26/98
,3-Dichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
1,4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
1,1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.026	ODII	04/26/98
1,2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.026	SPH	04/26/98
,1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
is-1,2-Dichloroethylene	0.007		0.060	<	0.025	<	0.026	acu bub	04/26/98
trans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	CSH DUP	04/26/98
Methylene Chloride	0.009	0.025	0.060		0.083	_	0.086	LBC	04/26/98
,2-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
,3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
2,2-Dichloropropane	0.007	0.025	0.060	<	0.025	<	0.026	CSL	04/26/98
Ethylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2-Dibromoethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
,1,2,2-Tetrachloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
etrachloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Toluene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
1,1,1-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
,1,2-Trichloroethane	0.007		0.060	<	0.025	<	0.026		04/26/98
frichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
∛inyl Chloride	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
o-Xylene & Styrene	0.010	0.025	0.060	<	0.025	<	0.026		04/26/98
უ- & p-Xylene	0.011	0.025	0.060	<	0.025	<	0.026		04/26/98
lethyl tert Butyl Ether	0.016	0.025	0.060	<	0.025	<	0.026		04/26/98
,3,5-Trimethylbenzene	0.019	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2,4-Trichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2,3-Trichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
sopropylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
ichlorodifluoromethane	0.004	0.025	0.060	<	0.025	<	0.026	SPL	04/26/98
Naphthalene	0.016	0.025	0.060	<	0.025	<	0.026		04/30/98
Trichlorofluoromethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
∜exachlorobutadiene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
h-Propylbenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
n-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2,4-Trimethylbenzene	0.007		0.060	<	0.025	<	0.026		04/26/98
sec-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
ert-Butylbenzene	0.004	0.025	0.060	<	0.025	<	0.026		04/26/98
>-Isopropyltoluene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
sopropyl Ether	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East JisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY: Y

Client Sample	SB-4	12-14	, Enviroscar	n Analytical	# 33795,	Results	are in Unit	ts of mg/kg
								Quality

		LUST	LUST		ום	ESULT		Quality	Amalyaia
Method EPA 8021	MDL	LOD	LOQ		Wet	ESULI	Dry	Control Qualifiers	Analysis Date
Tetilod EFA 0021								400(111615	
Benzene	0.012	0.025	0.060	<	0.025	<	0.026		04/26/98
Bromobenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
Bromodichloromethane	0.005	0.025	0.060	<	0.025	<	0.026		04/26/98
Carbon Tetrachloride	0.008	0.025	0.060	<	0.025	<	0.026		04/26/98
Chlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
Chloroethane	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
Chloroform	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Chloromethane	0.012	0.025	0.060	<	0.025	<	0.026	CSH SPH DUP	04/26/98
o-Chlorotoluene	0.003	0.025	0.060	<	0.025	<	0.026	CSH	04/26/98
p-Chlorotoluene	0.005	0.025	0.060	<	0.025	<	0.026		04/26/98
Chlorodibromomethane	0.004	0.025	0.060	<	0.025	<	0.026	DUP	04/26/98
1,2-Dibromo-3-chloropropane	0.017	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2-Dichlorobenzene	0.014	0.025	0.060	<	0.025	<	0.026		04/26/98
3-Dichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
1,4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
1,1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.026	SPH	04/26/98
1,1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
cis-1,2-Dichloroethylene	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
trans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	CSH DUP	04/26/98
Methylene Chloride	0.009	0.025	0.060	<	0.025	<	0.026	LBC	04/26/98
1,2-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
1,3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
2,2-Dichloropropane	0.007	0.025	0.060	<	0.025	<	0.026	CSL	04/26/98
Ethylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2-Dibromoethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
1,1,2,2-Tetrachloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Tetrachloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Toluene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
1,1,1-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
1,1,2-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
Trichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Vinyl Chloride	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
o-Xylene & Styrene	0.010	0.025	0.060	<	0.025	<	0.026		04/26/98
n- & p-Xylene	0.011	0.025	0.060	<	0.025	<	0.026		04/26/98
Methyl tert Butyl Ether	0.016	0.025	0.060	<	0.025	<	0.026		04/26/98
1,3,5-Trimethylbenzene	0.019	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2,4-Trichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2,3-Trichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
Isopropylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
ichlorodifluoromethane	0.004	0.025	0.060	<	0.025	<	0.026	SPL	04/26/98
Naphthalene	0.016	0.025	0.060	<	0.025	<	0.026		04/30/98
Trichlorofluoromethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Hexachlorobutadiene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
n-Propylbenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
n-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2,4-Trimethylbenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
sec-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
tert-Butylbenzene	0.004	0.025	0.060	<	0.025	<	0.026		04/26/98
b-Isopropyltoluene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Isopropyl Ether	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
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ESP/ Lampert Lee & Associates 10968 Hwy. 54 East /isconsinRapids, WI 54494

:lient Sample

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY: LMP

		LUST	LUST				Quality Control	Analysis	
Method EPA 8021	MDL	LOD	LOQ		Wet		Dry	Qualifiers	Date
enzene	0.012	0.025	0.060	<	0.025	<	0.026		04/26/98
Bromobenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
Bromodichloromethane	0.005	0.025	0.060	<	0.025	<	0.026		04/26/98
arbon Tetrachloride	0.008	0.025	0.060	<	0.025	<	0.026		04/26/98
hlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
chloroethane	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
Chloroform	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Shloromethane	0.012	0.025	0.060	<	0.025	<	0.026	CSH SPH DUP	04/26/98
-Chlorotoluene	0.003	0.025	0.060	<	0.025	<	0.026	CSH	04/26/98
-Chlorotoluene	0.005	0.025	0.060	<	0.025	<	0.026		04/26/98
Chlorodibromomethane	0.004	0.025	0.060	<	0.025	<	0.026	DUP	04/26/98
1,2-Dibromo-3-chloropropane	0.017	0.025	0.060	<	0.025	<	0.026		04/26/98
,2-Dichlorobenzene	0.014	0.025	0.060	<	0.025	<	0.026		04/26/98
,3-Dichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
1,4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
1,1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.026	SPH	04/26/98
,1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.026	**	04/26/98
is-1,2-Dichloroethylene	0.007	0.025	0,060	<	0.025	<	0.026		04/26/98
trans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	CSH DUP	04/26/98
Methylene Chloride	0.009	0.025	0.060	<	0.025	<	0.026		04/26/98
,2-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
,3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
2,2-Dichloropropane	0.007	0.025	0.060	<	0.025	<	0.026	CSL	04/26/98
Ethylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2-Dibromoethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
,1,2,2-Tetrachloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
etrachloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Toluene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
1,1,1-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
,1,2-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
richloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Vinyl Chloride	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
o-Xylene & Styrene	0.010	0.025	0.060	<	0.025	<	0.026		04/26/98
m- & p-Xylene	0.011	0.025	0.060	<	0.025	<	0.026		04/26/98
ethyl tert Butyl Ether	0.016	0.025	0.060	<	0.025	<	0.026		04/26/98
,3,5-Trimethylbenzene	0.019	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2,4-Trichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
1,2,3-Trichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
sopropylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/26/98
ichlorodifluoromethane	0.004	0.025	0.060	<	0.025	<	0.026	SPL	04/26/98
Naphthalene	0.016	0.025	0.060	<	0.025	<	0.026		04/26/98
Trichlorofluoromethane	0.002	0.025	0.060	<	0.025	<	0.026		04/26/98
Yexachlorobutadiene	0.003	0.025	0.060	<	0.025	<	0.026		04/26/98
-Propylbenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/26/98
-Butylbenzene	0.006	0.025	0.060	<i>`</i>	0.025	~	0.026		04/26/98
1,2,4-Trimethylbenzene	0.007	0.025	0.060	· <	0.025	<	0.026	•	04/26/98
sec-Butylbenzene	0.006	0.025	0.060	~	0.025	₹	0.026		04/26/98
ert-Butylbenzene	0.004	0.025	0.060	<	0.025	<	0.026		04/26/98
-Isopropyltoluene	0.002	0.025	0.060	<u>`</u>	0.025	<	0.026		04/26/98
sopropyl Ether	0.006	0.025	0.060	· <	0.025	<	0.026		04/26/98
I ab' - mellel	0.000			•					,,, _

SB-4 18-20 , Enviroscan Analytical # 33796, Results are in Units of mg/kg

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East 1sconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY: MP

lient Sample SB-5 13-15	, Enviro	scan Ar	nalytical	. # 33	3797, Resu	ults	are in Uni	ts of mg/kg Quality	
		LUST	LUST		RF	ESULT		Control	Analysis
ethod EPA 8021	MDL	LOD.	LOQ		Wet	-00-	Dry	Qualifiers	Date
								Qualifiers	
enzene	0.738	0.025	0.060	<	1.230	<	1.259		04/28/98
Bromobenzene	0.437	0.025	0.060	~	1.230	~	1.259		04/28/98
Bromodichloromethane	0.307	0.025	0.060	`	1.230	`	1.259		04/28/98
arbon Tetrachloride	0.501	0.025	0.060	<	1.230	~	1.259	SPL	04/28/98
nlorobenzene	0.172	0.025	0.060	~	1.230	~	1.259	3F L	
Chloroethane	0.341	0.025	0.060	~	1.230	<	1.259	SPL DUP	04/28/98
	0.129	0.025	0.060	~	1.230	` `	1.259	SPL DUP	04/28/98
Chloroform	0.722	0.025	0.060	<	1.230	~	1.259	CCI CDI DUD	04/28/98
hloromethane						~	1.259	CSL SPL DUP	04/28/98
-Chlorotoluene	0.157	0.025	0.060	<	1.230				04/28/98
	0.298	0.025	0.060	<	1.230	<	1.259	201	04/28/98
Chlorodibromomethane	0.274	0.025	0.060	<	1.230	<	1.259	CSL	04/28/98
1,2-Dibromo-3-chloropropane	1.048	0.025	0.060	<	1.230	<	1.259		04/28/98
,2-Dichlorobenzene	0.833	0.025	0.060	<	1.230	<	1.259		04/28/98
,3-Dichlorobenzene	0.169	0.025	0.060	<	1.230	<	1.259		04/28/98
1,4-Dichlorobenzene	0.129	0.025	0.060	<	1.230	<	1.259		04/28/98
1,1-Dichloroethane	0.114	0.025	0.060	<	1.230	<	1.259		04/28/98
1,2-Dichloroethane	0.080	0.025	0.060	<	1.230	<	1.259		04/28/98
,1-Dichloroethylene	0.375	0.025	0.060	<	1.230	<	1.259		04/28/98
lis-1,2-Dichloroethylene	0.452	0.025	0.060	<	1.230	<	1.259		04/28/98
trans-1,2-Dichloroethylene	0.148	0.025	0.060	<	1.230	<	1.259	CSH	04/28/98
Methylene Chloride	0.547	0.025	0.060	<	1.230	<	1.259	CSL	04/28/98
,2-Dichloropropane	0.120	0.025	0.060	<	1.230	<	1.259		04/28/98
,3-Dichloropropane	0.101	0.025	0.060	<	1.230	<	1.259		04/28/98
2,2-Dichloropropane	0.452	0.025	0.060	<	1.230	<	1.259	SPL	04/28/98
Ethylbenzene	0.369	0.025	0.060	<	1.230	<	1.259		04/28/98
,2-Dibromoethane	0.123	0.025	0.060	<	1.230	<	1.259	CSL	04/28/98
,1,2,2-Tetrachloroethane	0.138	0.025	0.060	<	1.230	<	1.259	CSH	04/28/98
etrachloroethylene	0.101	0.025	0.060	<	1.230	<	1.259		04/28/98
Toluene	0.212	0.025	0.060	<	1.230	<	1.259		04/28/98
1,1,1-Trichloroethane	0.406	0.025	0.060	<	1.230	<	1.259	SPL	04/28/98
,1,2-Trichloroethane	0.406	0.025	0.060	<	1.230	<	1.259		04/28/98
richloroethylene	0.105	0.025	0.060	<	1.230	<	1.259		04/28/98
Vinyl Chloride	0.120	0.025	0.060	<	1.230	<	1.259	CSL SPL DUP	04/28/98
o-Xylene & Styrene	0.633	0.025	0.060	<	1.230	<	1.259		04/28/98
n- & p-Xylene	0.676	0.025	0.060	<	1.230	<	1.259		04/28/98
ethyl tert Butyl Ether	1.005	0.025	0.060	<	1.230	<	1.259		04/28/98
,3,5-Trimethylbenzene	1.168	0.025	0.060	•	6.946		7.110		04/28/98
1,2,4-Trichlorobenzene	0.129	0.025	0.060	<	1.230	<	1.259		04/28/98
1,2,3-Trichlorobenzene	0.172	0.025	0.060	<b>`</b>	1.230	<	1.259		04/28/98
8.*	0.172	0.025	0.060	~	1.230	`	1.259		04/28/98
sopropylbenzene		0.025	0.060	`	1.230	` `	1.259	SPL DUP	04/28/98
ichlorodifluoromethane	0.267 0.996	0.025	0.060	`	13.460	`	13.777	SPL DUP	04/28/98
Naphthalene			0.060		1.230		1.259	SPL	04/28/98
Trichlorofluoromethane	0.108	0.025		< <	1.230	< <	1.259	orL	
'exachlorobutadiene	0.200	0.025	0.060	•		`	1.625		04/28/98
-Propylbenzene	0.415	0.025	0.060		1.588				04/28/98
	0.390	0.025	0.060		7.740		7.922		04/28/98
1,2,4-Trimethylbenzene	0.430	0.025	0.060		3.581		3.665		04/28/98
sec-Butylbenzene	0.378	0.025	0.060	_	1.916	_	1.961		04/28/98
ert-Butylbenzene	0.243	0.025	0.060	<	1.230	<	1.259		04/28/98
Isopropyltoluene	0.135	0.025	0.060		1.665		1.704		04/28/98
"Isopropyl Ether	0.390	0.025	0.060	<	1.230	<	1.259		04/28/98

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East /isconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY: YA

£7		LUCT	LUCT					Quality	A 1
lethod EPA 8021	MDL	LUST	LUST		Wet	ESULT	Dry	Control Qualifiers	Analysis Date
Benzene	0.012	0.025	0.060	<	0.025	<	0.025		04/28/98
romobenzene	0.007	0.025	0.060	<	0.025	<	0.025		04/28/98
romodichloromethane	0.005	0.025	0.060	<	0.025	<	0.025		04/28/98
arbon Tetrachloride	0.008	0.025	0.060	<	0.025	<	0.025	SPL	04/28/98
hlorobenzene	0.003	0.025	0.060	<	0.025	<	0.025		04/28/98
hloroethane	0.006	0.025	0.060	<	0.025	<	0.025	SPL DUP	04/28/98
hloroform	0.002	0.025	0.060	<	0.025	<	0.025		04/28/98
hloromethane	0.012	0.025	0.060	<	0.025	<	0.025	CSL SPL DUP	04/28/98
-Chlorotoluene	0.003	0.025	0.060	<	0.025	<	0.025		04/28/98
-Chlorotoluene	0.005	0.025	0.060	<	0.025	<	0.025		04/28/98
hlorodibromomethane	0.004	0.025	0.060	<	0.025	<	0.025	CSL	04/28/98
,2-Dibromo-3-chloropropane	0.017	0.025	0.060	<	0.025	<	0.025		04/28/98
,2-Dichlorobenzene	0.014	0.025	0.060	<	0.025	<	0.025		04/28/98
,3-Dichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.025		04/28/98
,4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.025		04/28/98
,1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.025		04/28/98
,2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.025		04/28/98
,1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.025		04/28/98
is-1,2-Dichloroethylene	0.007	0.025	0.060	<	0.025	<	0.025		04/28/98
rans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.025	CSH	04/28/98
ethylene Chloride	0.009	0.025	0.060	<	0.025	<	0.025	CSL	04/28/98
,2-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.025		04/28/98
,3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.025		04/28/98
,2-Dichloropropane	0.007	0.025	0.060	<	0.025	<	0.025	SPL	04/28/98
thylbenzene	0.006	0.025	0.060	<	0.025	<	0.025		04/28/98
,2-Dibromoethane	0.002	0.025	0.060	<	0.025	<	0.025	CSL	04/28/98
,1,2,2-Tetrachloroethane	0.002	0.025	0.060	<	0.025	<	0.025	CSH	04/28/98
etrachloroethylene	0.002	0.025	0.060	<	0.025	<	0.025		04/28/98
oluene	0.003	0.025	0.060	<	0.025	<	0.025		04/28/98
,1,1-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.025	SPL	04/28/98
,1,2-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.025		04/28/98
richloroethylene	0.002	0.025	0.060	<	0.025	<	0.025		04/28/98
inyl Chloride	0.002	0.025	0.060	<	0.025	<	0.025	CSL SPL DUP	04/28/98
-Xylene & Styrene	0.010	0.025	0.060	<	0.025	<	0.025		04/28/98
- & p-Xylene	0.011	0.025	0.060	<	0.025	<	0.025		04/28/98
ethyl tert Butyl Ether	0.016	0.025	0.060	<	0.025	<	0.025		04/28/98
,3,5-Trimethylbenzene	0.019	0.025	0.060	<	0.025	<	0.025		04/28/98
,2,4-Trichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.025		04/28/98
,2,3-Trichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.025		04/28/98
sopropylbenzene	0.006	0.025	0.060	<	0.025	<	0.025		04/28/98
ichlorodifluoromethane	0.004	0.025	0.060	<	0.025	<	0.025	SPL DUP	04/28/98
laphthalene	0.016	0.025	0.060		0.138		0.141		04/28/98
richlorofluoromethane	0.002	0.025	0.060	<	0.025	<	0.025	SPL	04/28/98
exachlorobutadiene	0.003	0.025	0.060	<	0.025	<	0.025		04/28/98
-Propylbenzene	0.007	0.025	0.060	<	0.025	<	0.025		04/28/98
n-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.025		04/28/98
,2,4-Trimethylbenzene	0.007	0.025	0.060	<	0.025	<	0.025		04/28/98
sec-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.025		04/28/98
ert-Butylbenzene	0.004	0.025	0.060	<	0.025	<	0.025		04/28/98
>-Isopropyltoluene	0.002	0.025	0.060	<	0.025	<	0.025		04/28/98
sopropyl Ether	0.006	0.025	0.060	<	0.025	<	0.025		04/28/98



ESP/ Lampert Lee & Associates

10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/18/98 REPORT DATE: 05/07/98

PREPARED BY: LMP
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB-1 12-14 _04/17/98_	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 6010 Lead	mg/kg	0.55	1.50		04/29/98	BMS
MOSA21-2 Total Solids	એ	-	96.6		04/30/98	JRS
WI DNR Soil Gasoline Range Orga	nic mg/kg	5.2	х		04/30/98	LMP
Analytical No.:			33787			
	Units	Reporting Limit	SB-1 20-22 04/17/98	<u>Qualifier</u> s	Date Analyzed	Ву
<u>EPA 6010</u> Lead	<u>Units</u> mg/kg			<u>Qualifier</u> s		By BMS
		Limit	04/17/98	<u>Qualifier</u> s	Analyzed	
Lead MOSA21-2	mg/kg %	Limit 0.54	<u>04/17/98</u> 3.30	<u>Qualifier</u> s	Analyzed 04/29/98	BMS

X = Analyzed but not detected.
Results calculated on a dry weight basis.

ESP/ Lampert Lee & Associates

10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/18/98 REPORT DATE: 05/07/98

PREPARED BY: LMP
REVIEWED BY: M

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB-2 10-12 _04/17/98	<u>Oualifier</u> s	Date Analyzed	Ву
EPA 6010 Lead	mg/kg	0.55	9.77		04/29/98	BMS
MOSA21-2 Total Solids	૪	-	95.7		04/30/98	JRS
WI DNR Soil Gasoline Range Organ	nic mg/kg	26.1	503.	G3 G6	04/30/98	LMP
Analytical No.:			33790			
	Units	Reporting Limit	SB-2 18-20 04/17/98	<u>Qualifiers</u>	Date Analyzed	Ву
EPA 6010 Lead	mg/kg	0.59	3.43		04/29/98	BMS
MOSA21-2 Total Solids	<b>ે</b>	-	89.1		04/30/98	JRS
WI DNR Soil Gasoline Range Orga	nic mg/kg	56.1	181.	G3 G6	04/30/98	EPM
Analytical No.:			33791			

X = Analyzed but not detected.
Results calculated on a dry weight basis.

ESP/ Lampert Lee & Associates

10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/18/98

REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY: M

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB-3 12-14 _04/17/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 6010 Lead	mg/kg	0.56	2.75		04/29/98	BMS
MOSA21-2 Total Solids	ક	-	95.0		04/30/98	JRS
WI DNR Soil Gasoline Range Organ	ic mg/kg	5.2	24.5	G3 G6	04/30/98	LMP
Analytical No.:			33793			
	Units	Reporting Limit	SB-3 20-22 _04/17/98_	<u>Qualifier</u> s	Date Analyzed	_ <u>B</u> y
EPA 6010 Lead	mg/kg	0.55	0.818		04/29/98	BMS
MOSA21-2 Total Solids	olo	-	96.6		04/30/98	JRS
WI DNR Soil Gasoline Range Organ	ic mg/kg	5.2	х		04/30/98	LMP
Analytical No.:			33794			
	Units	Reporting Limit	SB-4 12-14 _04/17/98	<u>Qualifier</u> s	Date Analyzed	<u>B</u> y
EPA 6010 Lead	mg/kg	0.55	0.723		04/29/98	BMS
MOSA21-2 Total Solids	<b>્</b>	-	96.8		04/30/98	JRS
WI DNR Soil Gasoline Range Organ	ic mg/kg	5.2	Х		04/30/98	LMP
Analytical No.:			33795			

X = Analyzed but not detected.
Results calculated on a dry weight basis.

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/18/98 REPORT DATE: 05/07/98 PREPARED BY: LMP

REVIEWED BY: MY

Attn: Janet Snedeker/ Bob Mcdonald

Accir. Gailed Bildacires, 15th	Units	Reporting <u>Limit</u>	SB-4 18-20 _04/17/98_	<u>Qualifier</u> s _	Date Analyzed	<u>B</u> y
EPA 6010 Lead	mg/kg	0.55	1.37		04/29/98	BMS
MOSA21-2 Total Solids	%	-	97.0		04/30/98	JRS
<u>WI DNR</u> Soil Gasoline Range Organ	ic mg/kg	5.2	х		04/30/98	LMP
Analytical No.:			33796			
	Units	Reporting Limit	SB-5 13-15 04/17/98	<u>Qualifier</u> s	Date Analyzed	<u>в</u> у
EPA 6010 Lead	mg/kg	0.54	6.67		04/29/98	BMS
MOSA21-2 Total Solids	%	-	97.7		04/30/98	JRS
<u>WI DNR</u> Soil Gasoline Range Organ	nic mg/kg	125.	632.	G3 G6	04/30/98	LMP
Analytical No.:			33797			
	Units	Reporting Limit	SB-6 18-20 04/17/98	<u>Qualifier</u> s	Date Analyzed	<u>B</u> y
EPA 6010 Lead	mg/kg	0.54	1.84		04/29/98	BMS
MOSA21-2 Total Solids	96	-	98.2		04/30/98	JRS
WI DNR Soil Gasoline Range Organ	nic mg/kg	5.1	х		04/30/98	LMP

X = Analyzed but not detected.
Results calculated on a dry weight basis.

Analytical No.:

33798

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY: Y

Attn: Janet Snedeker/ Bob Mcdonald

-	Units	Reporting Limit	SB-1 23.5 04/17/98	<u>Qualifier</u> s	Date Analyzed	<u>B</u> y
EPA 239.2						
Lead (GFAAS)	μg/l	50.0	2,030.		05/05/98	JCH
EPA 8021_						
Benzene	$\mu g/1$	25.0	X		04/26/98	$\mathtt{LMP}$
Bromobenzene	$\mu g/1$	100.0	X		04/26/98	LMP
Bromodichloromethane	$\mu g/1$	50.0	X		04/26/98	LMP
n-Butylbenzene	$\mu g/1$	50.0	423.		04/26/98	LMP
sec-Butylbenzene	$\mu g/1$	50.0	X		04/26/98	LMP
tert-Butylbenzene	$\mu g/1$	50.0	X		04/26/98	LMP
Carbon Tetrachloride	$\mu g/1$	50.0	X		04/26/98	LMP
Chlorobenzene	$\mu g/1$	50.0	X		04/26/98	LMP
Chlorodibromomethane	μg/l	50.0	X		04/26/98	LMP
Chloroethane	μg/l	50.0	X		04/26/98	LMP
Chloroform	μg/l	50.0	X		04/26/98	LMP
Chloromethane	μg/l	100.0	X		04/26/98	LMP
o-Chlorotoluene	μg/l	50.0	X		04/26/98	LMP
p-Chlorotoluene	μg/l	100.0	X		04/26/98	LMP
1,2-Dibromo-3-chloropropa		50.0	X		04/26/98	LMP
1,2-Dibromoethane	μg/l	50.0	X		04/26/98	LMP
1,2-Dichlorobenzene	μg/l	50.0	X		04/26/98	LMP
1,3-Dichlorobenzene	$\mu g/1$	50.0	X		04/26/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	50.0	X		04/26/98	LMP
Dichlorodifluoromethane	$\mu g/1$	100.0	X		04/26/98	LMP
1,1-Dichloroethane	$\mu g/1$	50.0	X		04/26/98	LMP
1,2-Dichloroethane	$\mu g/1$	50.0	X		04/26/98	LMP
1,1-Dichloroethylene	$\mu g/1$	50.0	X		04/26/98	LMP
cis-1,2-Dichloroethylene	$\mu g/1$	100.0	X		04/26/98	LMP
trans-1,2-Dichloroethylene		50.0	X		04/26/98	LMP
	$\mu g/1$ $\mu g/1$	50.0	X		04/26/98	LMP
1,2-Dichloropropane			X			
1,3-Dichloropropane	μg/l	50.0	X		04/26/98	LMP
2,2-Dichloropropane	μg/l	100.0	X		04/26/98	LMP
Ethylbenzene	μg/l	50.0	X		04/26/98	LMP
Hexachlorobutadiene	μg/l	50.0	X		04/26/98	LMP
Isopropylbenzene	$\mu g/1$	50.0			04/26/98	LMP
Isopropyl Ether	$\mu g/1$	50.0	X		04/26/98	LMP
p-Isopropyltoluene	μg/l	50.0	X		04/26/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	50.0	X		04/26/98	LMP
Methylene Chloride	μg/l	100.0	X	201 DIE	04/26/98	LMP
Naphthalene	$\mu g/1$	50.0	X	CSL DUP	04/26/98	LMP
n-Propylbenzene	$\mu g/1$	50.0	X		04/26/98	LMP
Tetrachloroethylene	$\mu g/1$	50.0	X		04/26/98	LMP
1,1,2,2-Tetrachloroethane	$\mu g/1$	50.0	X		04/26/98	LMP
Toluene	$\mu g/1$	50.0	X		04/26/98	LMP
1,2,3-Trichlorobenzene	$\mu g/1$	50.0	X		04/26/98	LMP
1,2,4-Trichlorobenzene	μg/l	50.0	Х		04/26/98	LMP

Analytical No.:

33789

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB-1 23.5 04/17/98	Qualifiers	Date Analyzed	<u>B</u> y
T1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	50.0 50.0 25.0 50.0 50.0 50.0 50.0	X X X X 277. 358. X 249. 467.		04/26/98 04/26/98 04/26/98 04/26/98 04/26/98 04/26/98 04/26/98 04/26/98	LMP LMP LMP LMP LMP LMP LMP LMP LMP
WI DNR Gasoline Range Organics	μg/l	500.	12,000.	G3 G5	04/21/98	LMP
Analytical No.:			33789			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY: MA

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB-2 23.5 _04/17/98	Qualifiers	Date Analyzed	Ву
	011400					4
EPA 239.2						
Lead (GFAAS)	$\mu g/1$	25.0	330.		05/05/98	JCH
Zeaa (GIII-2)	F-37 =					
EPA 8021						
Benzene	$\mu$ g/l	5.0	X		04/26/98	LMP
Bromobenzene	$\mu g/1$	20.0	X		04/26/98	LMP
Bromodichloromethane	$\mu g/1$	10.0	X		04/26/98	LMP
n-Butylbenzene	$\mu g/1$	10.0	964.	CAL	04/26/98	LMP
sec-Butylbenzene	$\mu g/1$	10.0	X		04/26/98	LMP
tert-Butylbenzene	$\mu g/1$	10.0	X		04/26/98	LMP
Carbon Tetrachloride	$\mu g/1$	10.0	X		04/26/98	LMP
Chlorobenzene	$\mu g/1$	10.0	X		04/26/98	LMP
Chlorodibromomethane	$\mu g/1$	10.0	X		04/26/98	LMP
Chloroethane	$\mu g/1$	10.0	X		04/26/98	LMP
Chloroform	$\mu g/1$	10.0	X		04/26/98	LMP
Chloromethane	$\mu g/1$	20.0	X		04/26/98	LMP
o-Chlorotoluene	$\mu g/1$	10.0	X		04/26/98	LMP
p-Chlorotoluene	$\mu g/1$	20.0	X		04/26/98	LMP
1,2-Dibromo-3-chloropropan	$= \mu g/1$	10.0	X		04/26/98	LMP
1,2-Dibromoethane	$\mu g/1$	10.0	X		04/26/98	LMP
1,2-Dichlorobenzene	$\mu g/l$	10.0	X		04/26/98	LMP
1,3-Dichlorobenzene	$\mu g/1$	10.0	X		04/26/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	10.0	X		04/26/98	LMP
Dichlorodifluoromethane	$\mu g/1$	20.0	X		04/26/98	LMP
1,1-Dichloroethane	$\mu g/1$	10.0	X		04/26/98	LMP
1,2-Dichloroethane	$\mu g/l$	10.0	X		04/26/98	LMP
1,1-Dichloroethylene	$\mu g/1$	10.0	X		04/26/98	LMP
cis-1,2-Dichloroethylene	$\mu g/1$	20.0	X		04/26/98	LMP
trans-1,2-Dichloroethylene	$\mu g/1$	10.0	X		04/26/98	LMP
1,2-Dichloropropane	$\mu g/1$	10.0	X		04/26/98	LMP
1,3-Dichloropropane	$\mu g/1$	10.0	X		04/26/98	LMP
2,2-Dichloropropane	$\mu g/1$	20.0	X		04/26/98	LMP
Ethylbenzene	$\mu$ g/l	10.0	X		04/26/98	LMP
Hexachlorobutadiene	$\mu$ g/l	10.0	X		04/26/98	LMP
Isopropylbenzene	$\mu g/1$	10.0	X		04/26/98	LMP
Isopropyl Ether	$\mu$ g/l	10.0	X		04/26/98	LMP
p-Isopropyltoluene	$\mu g/1$	10.0	14.0		04/26/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	10.0	X		04/26/98	LMP
Methylene Chloride	$\mu g/1$	20.0	X		04/26/98	LMP
Naphthalene	$\mu g/1$	10.0	X	CSL DUP	04/26/98	LMP
n-Propylbenzene	$\mu g/1$	10.0	X		04/26/98	LMP
Tetrachloroethylene	$\mu g/1$	10.0	X		04/26/98	LMP
1,1,2,2-Tetrachloroethane	μg/l	10.0	X		04/26/98	LMP
Toluene	$\mu g/1$	10.0	X		04/26/98	LMP
1,2,3-Trichlorobenzene	$\mu g/1$	10.0	X		04/26/98	LMP
1,2,4-Trichlorobenzene	μg/l	10.0	X		04/26/98	LMP
	, -					

Analytical No.:

33792



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB-2 23.5 04/17/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021  1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	10.0 10.0 5.0 10.0 10.0 2.0 10.0	X X X X 25.1 X X		04/26/98 04/26/98 04/26/98 04/26/98 04/26/98 04/26/98 04/26/98 04/26/98	LMP LMP LMP LMP LMP LMP LMP LMP
WI DNR Gasoline Range Organics Analytical No.:	μg/l	500.	6,530. 33792	G3 G5	04/21/98	LMP



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/18/98 REPORT DATE: 05/07/98

PREPARED BY: LMP REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB-6 20 22 04/17/98	Qualifiers	Date Analyzed	Ву
EPA 8021	4-					
1,1,1-Trichloroethane	$\mu$ g/l	100.0	X		04/26/98	$\mathtt{LMP}$
1,1,2-Trichloroethane	$\mu$ g/l	100.0	X		04/26/98	LMP
Trichloroethylene	$\mu g/1$	50.0	X		04/26/98	LMP
Trichlorofluoromethane	$\mu g/1$	100.0	X		04/26/98	LMP
1,2,4-Trimethylbenzene	$\mu g/1$	100.0	201.		04/26/98	LMP
1,3,5-Trimethylbenzene	$\mu g/1$	100.0	852.		04/26/98	LMP
Vinyl Chloride	μg/l	20.0	X		04/26/98	LMP
m- & p-Xylene	μg/l	100.0	367.		04/26/98	LMP
o-Xylene & Styrene	$\mu g/1$	100.0	2,270.		04/26/98	LMP
WI DNR						
Gasoline Range Organics	$\mu$ g/l	2500.	18,200.	G3 G5	04/21/98	LMP
Analytical No.:			33799			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB-6 20 22 04/17/98	2 _Qualifiers	Date Analyzed	By
	0111100					
EPA 239.2						
Lead (GFAAS)	$\mu$ g/l	25.0	365.		05/05/98	JCH
EPA 8021_	/-		77		04/06/00	TACO
Benzene	$\mu g/l$	50.0	X		04/26/98	LMP
Bromobenzene	$\mu g/1$	200.0	X		04/26/98	LMP
Bromodichloromethane	$\mu g/1$	100.0	X		04/26/98	LMP
n-Butylbenzene	$\mu g/1$	100.0	643.		04/26/98	LMP
sec-Butylbenzene	$\mu$ g/l	100.0	X		04/26/98	LMP
tert-Butylbenzene	$\mu$ g/l	100.0	X		04/26/98	LMP
Carbon Tetrachloride	$\mu$ g/l	100.0	X		04/26/98	LMP
Chlorobenzene	$\mu g/1$	100.0	X		04/26/98	LMP
Chlorodibromomethane	$\mu g/1$	100.0	X		04/26/98	$\mathtt{LMP}$
Chloroethane	$\mu g/1$	100.0	X		04/26/98	LMP
Chloroform	$\mu g/1$	100.0	X		04/26/98	LMP
Chloromethane	$\mu g/l$	200.0	X		04/26/98	LMP
o-Chlorotoluene	$\mu g/1$	100.0	X		04/26/98	LMP
p-Chlorotoluene	μg/l	200.0	X		04/26/98	LMP
1,2-Dibromo-3-chloropropand		100.0	X		04/26/98	LMP
1,2-Dibromoethane	μg/l	100.0	X		04/26/98	LMP
1,2-Dichlorobenzene	$\mu g/1$	100.0	X		04/26/98	LMP
1,3-Dichlorobenzene	μg/l	100.0	X		04/26/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	100.0	X		04/26/98	LMP
Dichlorodifluoromethane	μg/1	200.0	X		04/26/98	LMP
1,1-Dichloroethane	$\mu g/1$	100.0	X		04/26/98	LMP
1,2-Dichloroethane	μg/1 μg/1	100.0	X		04/26/98	LMP
1,1-Dichloroethylene	$\mu g/1$	100.0	X		04/26/98	LMP
cis-1,2-Dichloroethylene	$\mu g/1$	200.0	X		04/26/98	LMP
	$\mu g/1$ $\mu g/1$	100.0	X		04/26/98	LMP
trans-1,2-Dichloroethylene	μ9/1	100.0	X		04/26/98	LMP
1,2-Dichloropropane	μg/l		X		04/26/98	LMP
1,3-Dichloropropane	μg/l	100.0	X			LMP
2,2-Dichloropropane	$\mu g/1$	200.0	X		04/26/98	
Ethylbenzene	$\mu g/1$	100.0			04/26/98	LMP
Hexachlorobutadiene	$\mu g/1$	100.0	X		04/26/98	LMP
Isopropylbenzene	$\mu g/1$	100.0	X		04/26/98	LMP
Isopropyl Ether	$\mu g/1$	100.0	X		04/26/98	LMP
p-Isopropyltoluene	$\mu g/1$	100.0	X 		04/26/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	100.0	X		04/26/98	LMP
Methylene Chloride	$\mu$ g/l	200.0	X		04/26/98	LMP
Naphthalene	$\mu$ g/l	100.0	102.	CSL DUP	04/26/98	LMP
n-Propylbenzene	$\mu$ g/l	100.0	X		04/26/98	$\mathtt{LMP}$
Tetrachloroethylene	$\mu$ g/l	100.0	X		04/26/98	LMP
1,1,2,2-Tetrachloroethane	$\mu$ g/l	100.0	X		04/26/98	LMP
Toluene	$\mu$ g/l	100.0	X		04/26/98	LMP
1,2,3-Trichlorobenzene	$\mu g/l$	100.0	X		04/26/98	LMP
1,2,4-Trichlorobenzene	$\mu g/1$	100.0	X		04/26/98	LMP

Analytical No.:

33799

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

ē			Reporting	TRIP BLANK-USI		Date	_
46000000	<u>-</u>	<u>Units</u>	Limit	04/17/98	<u>Qualifier</u> s	Analyzed	<u> </u>
Constitution	TD 0001						
	EPA 8021	~ /٦	0.5	Х		04/26/98	LMP
ì	Benzene	μg/l	2.0	X		04/26/98	LMP
	Bromobenzene	$\mu g/1$	1.0	X		04/26/98	LMP
	Bromodichloromethane	μg/l	1.0	X		04/26/98	LMP
	n-Butylbenzene	μg/l	1.0	X		04/26/98	LMP
	sec-Butylbenzene	μg/1 "~/1	1.0	X		04/26/98	LMP
	tert-Butylbenzene	μg/l	1.0	X		04/26/98	LMP
	Carbon Tetrachloride	μg/l	1.0	X		04/26/98	LMP
	Chlorobenzene	μg/l	1.0	X		04/26/98	LMP
	Chlorodibromomethane	μg/l	1.0	X		04/26/98	LMP
	Chloroethane	μg/l	1.0	X		04/26/98	LMP
	Chloroform	μg/l	2.0	X		04/26/98	LMP
	Chloromethane o-Chlorotoluene	μg/l "σ/l	1.0	X		04/26/98	LMP
		$\mu g/1$	2.0	X		04/26/98	LMP
	p-Chlorotoluene	$\mu g/1$	1.0	X		04/26/98	LMP
	1,2-Dibromo-3-chloropropar	μg/1 μg/l	1.0	X		04/26/98	LMP
	1,2-Dibromoethane		1.0	X		04/26/98	LMP
	1,2-Dichlorobenzene 1,3-Dichlorobenzene	μg/l μg/l	1.0	X		04/26/98	LMP
	•	$\mu g/1$ $\mu g/1$	1.0	X		04/26/98	LMP
	1,4-Dichlorobenzene Dichlorodifluoromethane	$\mu g/1$ $\mu g/1$	2.0	X		04/26/98	LMP
	1,1-Dichloroethane	μg/1 μg/1	1.0	X		04/26/98	LMP
	1,2-Dichloroethane	μg/1 μg/1	1.0	X		04/26/98	LMP
	1,1-Dichloroethylene	μg/1 μg/1	1.0	X		04/26/98	LMP
	cis-1,2-Dichloroethylene	μg/1 μg/l	2.0	X		04/26/98	LMP
	trans-1,2-Dichloroethylene		1.0	X		04/26/98	LMP
	1,2-Dichloropropane	$\mu g/1$	1.0	X		04/26/98	LMP
	1,3-Dichloropropane	$\mu g/1$	1.0	x		04/26/98	LMP
	2,2-Dichloropropane	μg/1 μg/1	2.0	X		04/26/98	LMP
	Ethylbenzene	$\mu g/1$	1.0	X		04/26/98	LMP
	Hexachlorobutadiene	$\mu g/1$	1.0	X		04/26/98	LMP
	Isopropylbenzene	μg/1 μg/1	1.0	X		04/26/98	LMP
	Isopropyl Ether	$\mu g/1$	1.0	x		04/26/98	LMP
	p-Isopropyltoluene	μg/1 μg/1	1.0	X		04/26/98	LMP
	Methyl tert Butyl Ether	μg/1	1.0	X		04/26/98	LMP
	Methylene Chloride	$\mu g/1$	2.0	X		04/26/98	LMP
	Naphthalene	$\mu g/1$	1.0	X	CSL DUP	04/26/98	LMP
	n-Propylbenzene	$\mu g/1$	1.0	x	002 001	04/26/98	LMP
	Tetrachloroethylene	μg/l	1.0	X		04/26/98	LMP
	1,1,2,2-Tetrachloroethane	μg/1	1.0	X		04/26/98	LMP
	Toluene	$\mu g/1$	1.0	X		04/26/98	LMP
	1,2,3-Trichlorobenzene	μg/1	1.0	x		04/26/98	LMP
	1,2,4-Trichlorobenzene	μg/1	1.0	X		04/26/98	LMP
	1,1,1-Trichloroethane	μg/1 μg/1	1.0	X		04/26/98	LMP
	1,1,2-Trichloroethane	μg/l	1.0	x		04/26/98	LMP
	Trichloroethylene	μg/1	0.5	X		04/26/98	LMP
		m3/-		<del></del>		/ / 50	

Analytical No.:

33800

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	TRIP BLANK-USF 04/17/98_	<u>Qualifier</u> s	Date Analyzed	Ву
Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l	1.0 1.0 1.0 0.2 1.0	x x x x x x		04/26/98 04/26/98 04/26/98 04/26/98 04/26/98 04/26/98	LMP LMP LMP LMP LMP
WI DNR Gasoline Range Organics	μg/l	50.	х		04/26/98	EPM
Analytical No.:			33800			

X = Analyzed but not detected.

### U.S.FILTE

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/18/98 REPORT DATE: 05/07/98 PREPARED BY: LMP

REVIEWED BY: MY

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	MEOH BLANK-USF 04/17/98	Qualifiers	Date Analyzed	<u>B</u> y
EPA 8021_						
Benzene	mg/l	0.02	X		04/25/98	LMP
Bromobenzene	mg/1	0.02	X		04/25/98	LMP
Bromodichloromethane	mg/1	0.02	X		04/25/98	LMP
	mg/l	0.02	X		04/25/98	LMP
n-Butylbenzene	mg/l	0.02	X		04/25/98	LMP
sec-Butylbenzene	<u> </u>	0.02	X		04/25/98	LMP
tert-Butylbenzene	mg/l	0.02	X		04/25/98	LMP
Carbon Tetrachloride	mg/l	0.02	X		04/25/98	LMP
Chlorobenzene	mg/l	0.02	X	DUP	04/25/98	LMP
Chlorodibromomethane	mg/l	0.02	X	DOI	04/25/98	LMP
Chloroethane	mg/l	0.02	X		04/25/98	LMP
Chloroform	mg/l		X	CCH CDH	DUP04/25/98	LMP
Chloromethane	mg/l	0.02	X	CSH SPH	04/25/98	LMP
o-Chlorotoluene	mg/l	0.02	X X	CSR	04/25/98	LMP
p-Chlorotoluene	mg/l	0.02			*. *.	
1,2-Dibromo-3-chloropropane		0.02	X X		04/25/98	LMP
1,2-Dibromoethane	mg/l	0.02			04/25/98	LMP
1,2-Dichlorobenzene	mg/l	0.02	X		04/25/98	LMP
1,3-Dichlorobenzene	mg/l	0.02	X		04/25/98	LMP
1,4-Dichlorobenzene	mg/l	0.02	X	257	04/25/98	LMP
Dichlorodifluoromethane	mg/l	0.02	X	SPL	04/25/98	LMP
1,1-Dichloroethane	mg/l	0.02	X		04/25/98	LMP
1,2-Dichloroethane	mg/l	0.02	X	SPH	04/25/98	LMP
1,1-Dichloroethylene	mg/l	0.02	X		04/25/98	LMP
cis-1,2-Dichloroethylene	mg/l	0.02	X		04/25/98	LMP
trans-1,2-Dichloroethylene	mg/l	0.02	X	CSH DUP	04/25/98	LMP
1,2-Dichloropropane	mg/1	0.02	X		04/25/98	LMP
1,3-Dichloropropane	mg/l	0.02	X		04/25/98	LMP
2,2-Dichloropropane	mg/l	0.02	X	CSL	04/25/98	LMP
Ethylbenzene	mg/l	0.02	X		04/25/98	LMP
Hexachlorobutadiene	mg/l	0.02	X		04/25/98	LMP
Isopropylbenzene	mg/l	0.02	X		04/25/98	LMP
Isopropyl Ether	mg/1	0.02	X		04/25/98	LMP
p-Isopropyltoluene	mg/l	0.02	X		04/25/98	LMP
Methyl tert Butyl Ether	mg/l	0.02	X		04/25/98	LMP
Methylene Chloride	mg/l	0.02	X		04/25/98	LMP
Naphthalene	mg/l	0.02	X		04/25/98	LMP
n-Propylbenzene	mg/l	0.02	X		04/25/98	LMP
Tetrachloroethylene	mg/l	0.02	X		04/25/98	LMP
1,1,2,2-Tetrachloroethane	mg/l	0.02	X		04/25/98	LMP
Toluene	mg/l	0.02	X		04/25/98	LMP
1,2,3-Trichlorobenzene	mg/l	0.02	X		04/25/98	LMP
1,2,4-Trichlorobenzene	mg/l	0.02	X		04/25/98	LMP
1,1,1-Trichloroethane	mg/l	0.02	X		04/25/98	LMP
1,1,2-Trichloroethane	mg/l	0.02	X		04/25/98	LMP
Trichloroethylene	mg/l	0.02	X		04/25/98	LMP
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Analytical No.:

33801

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/18/98
REPORT DATE: 05/07/98
PREPARED BY: LMP
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	MEOH BLANK-USF _04/17/98_	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021 Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene o-Xylene & Styrene	mg/l mg/l mg/l mg/l mg/l	0.02 0.02 0.02 0.02 0.02 0.02	x x x x x		04/25/98 04/25/98 04/25/98 04/25/98 04/25/98 04/25/98	LMP LMP LMP LMP LMP
WI DNR Soil Gasoline Range Organ	ic mg/l	2.5	х	SL	04/30/98	LMP
Analytical No.:			33801			



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/18/98 REPORT DATE: 05/07/98

PREPARED BY: LMP REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

#### Qualifier Descriptions

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.
SPH	Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.
SPL	Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low. Non-detects verified with a low standard comparison.
LBC	Analyte is a common laboratory solvent or chemical. Positive identification may be due to laboratory contamination.
G3	The chromatogram in not characteristic for either gas or aged gas. It has a reportable concentration of peaks/area within the GRO window.
G5	The chromatogram contains a significant number of peaks outside the GRO window.
G6	The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
МВ	Analyte observed in method blank. Sample results may be biased high.
CAL	Estimated concentration beyond the calibration range, but within the detector range of the instrument.
SL	Surrogate recovery was low. Result for sample may be biased low.

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EDIES.

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Phone: ( 7/5 ) 4 c	14-3	131	1		Pi	none: <u>(    </u>							
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03033789	4/17/	<b>?</b>	W3	SB	-1,23,	5		X					
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Tener	-ma	2 al	Mr.						Cor	nmen	its:_	11112	2 each For
RELINQUISHED BY:	(Signatur	e) I	DATE/TIME	=	RECEIVE	ED BY: (Si	gnatur	e)				50 w	alti-

RELINQUISHED BY: (Signature) RECEIVED BY: (Signature) RECEIVED FOR LABORATORY DATE/TIME RELINQUISHED BY: (Signature) DATE/TIME BY; (Signature)

#### English and the court PARTY OF THE PROPERTY OF K.E.S. Confidence Lines D. B.H. ROSMA. F752-04-775700 E MARIE Circum PERMITTED AND AREA STREET, ESENSE: DOM ETTE 2 U.S. FILTER/ENVIROSCAN ROTHSCHILD, WI 54474 301 W. MILITARY RD. 1-800-338-SCAN Name: 360h Mc Manager To info): REPORT TO: Name: \_ Company: 40 2 Company: Address: Address: Phone: <u>( '7/</u> Phone: ( P.O. #. ANALYTICAL REQUESTS Quote # 6059 Project # (use separate sheet if necessary) Location\_ **Turnaround Time** Sample Type **V**Normal (Check all that apply) Rush (Pre-approved by Lab) Groundwater Wastewater Date Needed \_\_\_ Soil/Solid Drinking Water Approved By □ Oil ☐ Vapor Other No. of Containers LAB USE ONLY DATE TIME **SAMPLE ID** COMP GRAB **REMARKS** 03033797 0303379811 03033799 03033800 03033801 Qel'v: Hand Comm. Ship. Cont. OK? N N/A CHAIN OF CUSTODY RECORD Samples leaking? N/A Seals OK? OS N N/A SAMPLERS: (Signature) Rec'd on ice? N N/A Comments: 1 Vial each for Giton Joe water RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME BELINQUISHED BY: (Signature) RECEIVED BY: (Signature)

RECEIVED FOR LABORATORY

BY; (Signature).

DATE/TIME

DATE/TIME

RELINQUISHED BY: (Signature)

WATERLY MALES

had a substant in

CCLEATH VINCELL

**U.S. FILTER/ENVIROSCAN** 301 WEST MILITARY ROAD ROTHSCHILD, WI 54474 TELEPHONE 715-359-7226 FACSIMILE 715-355-3221

May 11, 1998

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

Re: 98-033

Please find enclosed the analytical results for the sample(s) received April 23, 1998.

The chain of custody document is enclosed.

If you have any questions about the results, please call. Thank you for using US Filter/Enviroscan for your analytical needs.

Sincerely,

US Filter/Enviroscan

Eric P. Martin

Analytical Chemist



csp/ Lampert Lee & Associates 10968 Hwy. 54 East MisconsinRapids, WI 54494

tn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/23/98
REPORT DATE: 05/08/98
PREPARED BY: EPM
REVIEWED BY:

ient Sample SB-7 18=20'	, Enviro	scan An	alytical	# 34	407, Resu	ılts	are in Uni	ts of mg/kg Quality	
- wasser epoch		LUST	LUST		RE	SULT		Control	Analysis
Method EPA 8021	MDL	LOD	LOQ		Wet		Dry	Qualifiers	Date
Method Era Bor.									
nzene	0.012	0.025	0.060	<	0.025	<	0.026		04/29/98
omobenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
Bromodichloromethane	0.005	0.025	0.060	<	0.025	<	0.026		04/29/98
Carbon Tetrachloride	0.008	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
lorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
loroethane	0.006	0.025	0.060	<	0.025	<	0.026	SPL DUP	04/29/98
iloroform	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
Chloromethane	0.012	0.025	0.060	<	0.025	<	0.026	CSL SPL DUP	04/29/98
^-Chlorotoluene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
-Chlorotoluene	0.005	0.025	0.060	<	0.025	<	0.026		04/29/98
nlorodibromomethane	0.004	0.025	0.060	<	0.025	<	0.026	CSL	04/29/98
1,2-Dibromo-3-chloropropane	0.017	0.025	0.060	<	0.025	<	0.026		04/29/98
1,2-Dichlorobenzene	0.014	0.025	0.060	<	0.025	<	0.026		04/29/98
3-Dichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
,4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
1.1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
1,2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.026		04/29/98
1,1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
is-1,2-Dichloroethylene	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
rans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	CSH	04/29/98
Methylene Chloride	0.009	0.025	0.060	<	0.025	<	0.026	CSL	04/29/98
1,2-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
,2-Dichloropropane	0.007	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
thylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
1,2-Dibromoethane	0.002	0.025	0.060	<	0.025	<	0.026	CSL	04/29/98
1,1,2,2-Tetrachloroethane	0.002	0.025	0.060	<	0.025	<	0.026	CSH	04/29/98
etrachloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
oluene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
1,1,1-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
1,1,2-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
richloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
inyl Chloride	0.002	0.025	0.060	<	0.025	<	0.026	CSL SPL DUP	04/29/98
اً-Xylene & Styrene	0.010	0.025	0.060	<	0.025	<	0.026		04/29/98
m- & p-Xylene	0.011	0.025	0.060	<	0.025	<	0.026		04/29/98
Methyl tert Butyl Ether	0.016	0.025	0.060	<	0.025	<	0.026		04/29/98
,3,5-Trimethylbenzene	0.019	0.025	0.060	<	0.025	<	0.026		04/29/98
,2,4-Trichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
1,2,3-Trichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
Isopropylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
ichlorodifluoromethane	0.004	0.025	0.060	<	0.025	<	0.026	SPL DUP	04/29/98
aphthalene	0.016	0.025	0.060	<	0.025	<	0.026		05/03/98
irichlorofluoromethane	0.002	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
Hexachlorobutadiene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
n-Propylbenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
ı-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
,2,4-Trimethylbenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
sec-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
tert-Butylbenzene	0.004	0.025	0.060	<	0.025	<	0.026		04/29/98
p-Isopropyltoluene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
sopropyl Ether	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98

ESP/ Lampert Lee & Associates 1968 Hwy. 54 East sconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/23/98
REPORT DATE: 05/08/98
PREPARED BY: EPM
REVIEWED BY:

		LUST	LUST		pı	ESULT		Quality Control	Analysi
ethod EPA 8021	MDL	LOD	LOQ		Wet		Dry	Qualifiers	Date
enzene	0.012	0.025	0.060	<	0.025	<	0.026		04/29/98
romobenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
omodichloromethane	0.005	0.025	0.060	<	0.025	<	0.026		04/29/98
rbon Tetrachloride	0.008	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
lorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
loroethane	0.006	0.025	0.060	<	0.025	<	0.026	SPL DUP	04/29/98
loroform	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
loromethane	0.012	0.025	0.060	<	0.025	<	0.026	CSL SPL DUP	04/29/98
Chlorotoluene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
Chlorotoluene	0.005	0.025	0.060	<	0.025	<	0.026		04/29/98
lorodibromomethane	0.004	0.025	0.060	<	0.025	<	0.026	CSL	04/29/98
2-Dibromo-3-chloropropane	0.017	0.025	0.060	<	0.025	<	0.026		04/29/98
2-Dichlorobenzene	0.014	0.025	0.060	<	0.025	<	0.026		04/29/98
3-Dichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.026		04/29/98
1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
s-1,2-Dichloroethylene	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
ans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	CSH	04/29/98
ethylene Chloride	0.009	0.025	0.060	<	0.025	<	0.026	CSL	04/29/98
2-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026	001	04/29/98
2-Dichloropropane	0.007	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
hylbenzene	0.006	0.025	0.060	<	0.025	<	0.026	COL	04/29/98
2-Dibromoethane	0.002	0.025	0.060	<	0.025	<	0.026	CSL	04/29/98
1,2,2-Tetrachloroethane	0.002	0.025	0.060	<	0.025	<	0.026	CSH	04/29/98
trachloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
luene	0.003	0.025	0.060	<	0.025	<	0.026	en.	04/29/98
1,1-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
1,2-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
ichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	COL COL DUD	04/29/98
nyl Chloride	0.002	0.025	0.060	<	0.025 0.025	< <	0.026	CSL SPL DUP	04/29/98
Xylene & Styrene	0.010	0.025	0.060	<			0.026		04/29/98
& p-Xylene	0.011	0.025	0.060	<	0.025	< <	0.026 0.026		04/29/98
thyl tert Butyl Ether	0.016	0.025	0.060	< <	0.025 0.025	<	0.026		04/29/98
3,5-Trimethylbenzene	0.019	0.025	0.060 0.060	<	0.025	~	0.026		04/29/98 04/29/98
2,4-Trichlorobenzene	0.002	0.025	0.060	~	0.025	` `	0.026		04/29/98
2,3-Trichlorobenzene	0.003			~	0.025	`	0.026		
opropylbenzene	0.006 0.004	0.025 0.025	0.060 0.060	~	0.025	`	0.026	SPL DUP	04/29/98 04/29/98
chlorodifluoromethane phthalene	0.016	0.025	0.060	~	0.025	~	0.026	SFL DUF	04/29/98
	0.002	0.025	0.060	~	0.025	~	0.026	SPL	04/29/98
ichlorofluoromethane	0.002	0.025	0.060	<	0.025	~	0.026	JF L	04/29/98
exachlorobutadiene Propylbenzene	0.003	0.025	0.060	~	0.025	~	0.026		04/29/98
• •	0.007	0.025	0.060	~	0.025	<	0.026		04/29/98
Butylbenzene	0.008	0.025	0.060	` `	0.025	` `	0.026		04/29/98
2,4-Trimethylbenzene c-Butylbenzene	0.007	0.025	0.060	``	0.025	~	0.026		04/29/98
	0.008	0.025	0.060	` `	0.025	~	0.026		04/29/9
ert-Butylbenzene Isopropyltoluene	0.004	0.025	0.060	<	0.025	` `	0.026		04/29/9



ESP/ Lampert Lee & Associates

10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/23/98 REPORT DATE: 05/11/98

PREPARED BY: EPM REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB-7 18=20' _04/23/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 6010 Lead	mg/kg	0.55	1.29		05/05/98	BMS
Analytical No.:			34407			
	Units	Reporting Limit	SB-7 20-22' _04/23/98	<u> Oualifier</u> s	Date Analyzed	Ву
EPA 6010 Lead	mg/kg	0.55	1.42		05/05/98	BMS
Analytical No.:			34408			
	Units	Reporting Limit	SB-8 20-22' _04/23/98	<u> Qualifier</u> s	Date Analyzed	Ву
EPA 6010 Lead	mg/kg	0.54	1.15		05/05/98	BMS
Analytical No.:			34410			

X = Analyzed but not detected.Results calculated on a dry weight basis.



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/23/98 REPORT DATE: 05/08/98 PREPARED BY: EPM

REVIEWED BY: M

Attn: Janet Snedeker/ Bob Mcdonald

Modified Gasoline Range Organics (GRO)
Parameter # 78920

SB-7 18=20' SB-7 20-22' SB-8 20-22'	GRO X X X X	<u>Qualifiers</u>	Date <u>Analyzed</u> 05/03/98 05/03/98 05/03/98	Analytical <u>No.</u> 34407 34408 34410
Reporting Limit	5.0			

Units mg/kg

X = Analyzed but not detected.Results calculated on a dry weight basis.

Qualifiers:

Only above indicated qualifiers apply.

- (G1) The chromatogram is characteristic for gasoline.
- (G2) The chromatogram has characteristics of an aged gasoline sample.
- (G3) The chromatogram is not characteristic for either gasoline or aged gasoline. However, it has a reportable concentration of peaks/area within the GRO window.
- (G4) The chromatogram contains a single compound which accounts for most of the GRO result.
- (G5) The chromatogram contains a significant number of peaks outside the GRO window.
- (G6) The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
- (G7) The chromatogram is characteristic for gasoline, however either additional peaks are present or PVOC peaks are not proportional to gasoline, indicating the presence of additional compounds.
- (G8) The chromatogram is characteristic for aged gasoline, however either additional peaks are present or PVOC peaks are not proportional to aged gasoline indicating the presence of additional compounds.

The entire area within the GRO window was quantitated.



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/23/98
REPORT DATE: 05/08/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

,						
		Reporting	SB-7 23.5		Date	
	Units	Limit	04/23/98	<u>Qualifiers</u>	Analyzed_	<u>B</u> y
<del>-</del>						
EPA 239.2						
Lead (GFAAS)	$\mu g/1$	1.0	17.9		05/05/98	JCH
	, 3,					
EPA 8021						
Benzene	$\mu g/1$	0.5	X		05/06/98	EPM
Bromobenzene	μq/l	2.0	X		05/06/98	EPM
Bromodichloromethane	μg/1	1.0	X		05/06/98	EPM
n-Butylbenzene	$\mu g/1$	1.0	X		05/06/98	EPM
sec-Butylbenzene	$\mu g/1$	1.0	X		05/06/98	EPM
tert-Butylbenzene	$\mu g/1$	1.0	X		05/06/98	EPM
Carbon Tetrachloride	$\mu g/1$	1.0	X	CSH	05/06/98	EPM
Chlorobenzene	$\mu g/1$	1.0	X		05/06/98	EPM
Chlorodibromomethane	$\mu q/1$	1.0	X		05/06/98	EPM
Chloroethane	$\mu g/1$	1.0	X		05/06/98	EPM
Chloroform	$\mu g/1$	1.0	X		05/06/98	EPM
Chloromethane	$\mu g/1$	2.0	X	CSH	05/06/98	EPM
o-Chlorotoluene	$\mu g/1$	1.0	X		05/06/98	EPM
p-Chlorotoluene	$\mu g/1$	2.0	X		05/06/98	EPM
1,2-Dibromo-3-chloropropand		1.0	X		05/06/98	EPM
1,2-Dibromoethane	$\mu g/1$	1.0	X		05/06/98	EPM
1,2-Dichlorobenzene	$\mu g/1$	1.0	X		05/06/98	EPM
1,3-Dichlorobenzene	$\mu g/1$	1.0	X		05/06/98	EPM
1,4-Dichlorobenzene	μg/1 μg/1	1.0	X		05/06/98	EPM
Dichlorodifluoromethane	μg/1 μg/l	2.0	X		05/06/98	EPM
	μg/1 μg/l	1.0	X		05/06/98	EPM
1,1-Dichloroethane	,	1.0	X		05/06/98	EPM
1,2-Dichloroethane	μg/l μg/l	1.0	X	CSH	05/06/98	EPM
1,1-Dichloroethylene	μg/1 μg/l	2.0	X	CSH	05/06/98	EPM
cis-1,2-Dichloroethylene	$\mu g/1$	1.0	X	CDII	05/06/98	EPM
trans-1,2-Dichloroethylene		1.0	X		05/06/98	EPM
1,2-Dichloropropane	μg/l μg/l	1.0	X		05/06/98	EPM
1,3-Dichloropropane	,	2.0	X	CSH	05/06/98	EPM
2,2-Dichloropropane	μg/l	1.0	X	CSH	05/06/98	EPM
Ethylbenzene	μg/l		X		05/06/98	EPM
Hexachlorobutadiene	μg/l	1.0	X		*. *.	EPM
Isopropylbenzene	μg/l	1.0	X		05/06/98	EPM
Isopropyl Ether	$\mu g/1$	1.0	X		05/06/98	
p-Isopropyltoluene	$\mu g/1$	1.0			05/06/98	EPM
Methyl tert Butyl Ether	$\mu g/1$	1.0	X		05/06/98	EPM
Methylene Chloride	$\mu g/1$	2.0	X		05/06/98	EPM
Naphthalene	$\mu g/1$	1.0	X		05/06/98	EPM
n-Propylbenzene	$\mu g/1$	1.0	X		05/06/98	EPM
Tetrachloroethylene	$\mu g/1$	1.0	X		05/06/98	EPM
1,1,2,2-Tetrachloroethane	$\mu g/1$	1.0	X		05/06/98	EPM
Toluene	μg/l	1.0	X		05/06/98	EPM
1,2,3-Trichlorobenzene	$\mu g/1$	1.0	X		05/06/98	EPM
1,2,4-Trichlorobenzene	$\mu$ g/l	1.0	X		05/06/98	EPM

Analytical No.:

34409



ESP/ Lampert Lee & Associates

10968 Hwy. 54 East WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/23/98 REPORT DATE: 05/08/98 PREPARED BY: EPM

REVIEWED BY: M

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting <u>Limit</u>	SB-7 23.5 04/23/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021  1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 1.0 0.5 1.0 1.0 0.2 1.0	x x x x x x x x	СЅН	05/06/98 05/06/98 05/06/98 05/06/98 05/06/98 05/06/98 05/06/98 05/06/98	EPM EPM EPM EPM EPM EPM EPM EPM
WI DNR Gasoline Range Organics Analytical No.:	μg/l	50.0	178. 34409	G3 G6	05/05/98	EPM



ESP/ Lampert Lee & Associates )968 Hwy. 54 East isconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/23/98 REPORT DATE: 05/08/98 PREPARED BY: EPM REVIEWED BY: MY

lient Sample SB-8 20-22'	, Enviro	scan Ar	nalytical	# 34	410, Resi	ults	are in Uni	ts of mg/kg Quality	
ethod EPA 8021	MDL	LUST LOD	LUST LOQ		RI Wet	ESULT	Dry	Control Qualifiers	Analysis Date
benzene	0.012	0.025	0.060	<	0.025	<	0.026		04/29/98
Bromobenzene	0.007	0.025	0.060	ζ.	0.025	<	0.026		04/29/98
Promodichloromethane	0.005	0.025	0.060	<	0.025	<	0.026		04/29/98
arbon Tetrachloride	0.008	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
hlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
Chloroethane	0.006	0.025	0.060	<	0.025	<	0.026	SPL DUP	04/29/98
Chloroform	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
hloromethane	0.012	0.025	0.060	<	0.025	<	0.026	CSL SPL DUP	04/29/98
-Chlorotoluene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
p-Chlorotoluene	0.005	0.025	0.060	<	0.025	<	0.026		04/29/98
Chlorodibromomethane	0.004	0.025	0.060	<	0.025	<	0.026	CSL	04/29/98
1,2-Dibromo-3-chloropropane	0.017	0.025	0.060	<	0.025	<	0.026		04/29/98
,2-Dichlorobenzene	0.014	0.025	0.060	<	0.025	<	0.026		04/29/98
,3-Dichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
1.4-Dichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
1,1-Dichloroethane	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
,2-Dichloroethane	0.001	0.025	0.060	<	0.025	<	0.026		04/29/98
,1-Dichloroethylene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
is-1,2-Dichloroethylene	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
trans-1,2-Dichloroethylene	0.002	0.025	0.060	<	0.025	<	0.026	CSH	04/29/98
Methylene Chloride	0.009	0.025	0.060	<	0.025	<	0.026	CSL	04/29/98
,2-Ďichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
,3-Dichloropropane	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
2,2-Dichloropropane	0.007	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
Ethylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
,2-Dibromoethane	0.002	0.025	0.060	<	0.025	<	0.026	CSL	04/29/98
,1,2,2-Tetrachloroethane	0.002	0.025	0.060	<	0.025	<	0.026	CSH	04/29/98
etrachloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
Toluene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
1,1,1-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
,1,2-Trichloroethane	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
richloroethylene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
Vinyl Chloride	0.002	0.025	0.060	<	0.025	<	0.026	CSL SPL DUP	04/29/98
o-Xylene & Styrene	0.010	0.025	0.060	<	0.025	<	0.026		04/29/98
ր- & p-Xylene	0.011	0.025	0.060	<	0.025	<	0.026		04/29/98
lethyl tert Butyl Ether	0.016	0.025	0.060	<	0.025	<	0.026		04/29/98
,3,5-Trimethylbenzene	0.019	0.025	0.060	<	0.025	<	0.026		04/29/98
1,2,4-Trichlorobenzene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
1,2,3-Trichlorobenzene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
sopropylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
ichlorodifluoromethane	0.004	0.025	0.060	<	0.025	<	0.026	SPL DUP	04/29/98
Naphthalene	0.016	0.025	0.060	<	0.025	<	0.026		04/29/98
Trichlorofluoromethane	0.002	0.025	0.060	<	0.025	<	0.026	SPL	04/29/98
lexach lorobutadiene	0.003	0.025	0.060	<	0.025	<	0.026		04/29/98
n-Propylbenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
h-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
1,2,4-Trimethylbenzene	0.007	0.025	0.060	<	0.025	<	0.026		04/29/98
sec-Butylbenzene	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98
tert-Butylbenzene	0.004	0.025	0.060	<	0.025	<	0.026		04/29/98
p-Isopropyltoluene	0.002	0.025	0.060	<	0.025	<	0.026		04/29/98
Isopropyl Ether	0.006	0.025	0.060	<	0.025	<	0.026		04/29/98

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/23/98
REPORT DATE: 05/08/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

• Table 1	Units	Reporting <u>Limit</u>	SB-8 24' 04/23/98	<u>Qualifier</u> s	Date Analyzed	Ву
SEONNE AND AND AND AND AND AND AND AND AND AND						
EPA 239.2 Lead (GFAAS)	μg/l	1.0	650.		05/05/98	JCH
EPA 8021						
Benzene	$\mu g/1$	5.0	X		05/06/98	EPM
Bromobenzene	$\mu g/1$	20.0	X		05/06/98	EPM
Bromodichloromethane	$\mu g/1$	10.0	Х		05/06/98	EPM
n-Butylbenzene	$\mu g/1$	10.0	216.		05/06/98	EPM
sec-Butylbenzene	$\mu$ g/l	10.0	X		05/06/98	EPM
tert-Butylbenzene	$\mu g/1$	10.0	X		05/06/98	EPM
Carbon Tetrachloride	$\mu g/1$	10.0	X	CSH	05/06/98	EPM
Chlorobenzene	$\mu g/1$	10.0	X		05/06/98	EPM
Chlorodibromomethane	$\mu g/1$	10.0	X		05/06/98	EPM
Chloroethane	$\mu g/1$	10.0	X		05/06/98	EPM
Chloroform	$\mu g/1$	10.0	X		05/06/98	EPM
Chloromethane	$\mu g/l$	20.0	X	CSH	05/06/98	EPM
o-Chlorotoluene	$\mu g/1$	10.0	X		05/06/98	EPM
p-Chlorotoluene	μg/l	20.0	X		05/06/98	EPM
1,2-Dibromo-3-chloropropar		10.0	X		05/06/98	EPM
1,2-Dibromoethane	μg/l	10.0	X		05/06/98	EPM
1,2-Dichlorobenzene	μg/l	10.0	X		05/06/98	EPM
1,3-Dichlorobenzene	μg/l	10.0	X		05/06/98	EPM
1,4-Dichlorobenzene	$\mu g/1$	10.0	X		05/06/98	EPM
Dichlorodifluoromethane	μg/l	20.0	X		05/06/98	EPM
1,1-Dichloroethane	μg/l	10.0	X		05/06/98	EPM
1,2-Dichloroethane	$\mu g/1$	10.0	X		05/06/98	EPM
1,1-Dichloroethylene	$\mu g/1$	10.0	X	CSH	05/06/98	EPM
cis-1,2-Dichloroethylene	$\mu g/1$	20.0	X	CSH	05/06/98	EPM
trans-1,2-Dichloroethylene		10.0	X		05/06/98	EPM
1,2-Dichloropropane	$\mu g/1$	10.0	X		05/06/98	EPM
1,3-Dichloropropane	μg/l	10.0	X		05/06/98	EPM
2,2-Dichloropropane	$\mu g/1$	20.0	X	CSH	05/06/98	EPM
Ethylbenzene	$\mu g/1$	10.0	x	0011	05/06/98	EPM
Hexachlorobutadiene	$\mu g/1$	10.0	X		05/06/98	EPM
	μg/1 μg/1	10.0	X		05/06/98	EPM
Isopropylbenzene		10.0	X		05/06/98	EPM
Isopropyl Ether	μg/l		X		05/06/98	EPM
p-Isopropyltoluene	$\mu g/1$	10.0	X		05/06/98	EPM
Methyl tert Butyl Ether	μg/1	10.0	X		05/06/98	EPM
Methylene Chloride	$\mu g/1$	20.0				
Naphthalene	$\mu g/1$	10.0	10.7		05/06/98	EPM
n-Propylbenzene	μg/l	10.0	X		05/06/98	EPM
Tetrachloroethylene	$\mu g/1$	10.0	X		05/06/98	EPM
1,1,2,2-Tetrachloroethane	$\mu g/1$	10.0	X		05/06/98	EPM
Toluene	$\mu g/1$	10.0	X		05/06/98	EPM
1,2,3-Trichlorobenzene	$\mu g/1$	10.0	X		05/06/98	EPM
1,2,4-Trichlorobenzene	$\mu$ g/l	10.0	Х		05/06/98	EPM

Analytical No.:

34411



ESP/ Lampert Lee & Associates

10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client
DATE REC'D: 04/23/98
REPORT DATE: 05/08/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting <u>Limit</u>	SB-8 24' 04/23/98	<u>Qualifier</u> s	Date Analyzed	ву
In 1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene 0-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	10.0 10.0 5.0 10.0 10.0 2.0 10.0	X X X 51.7 76.9 X 93.6 734.	CSH	05/06/98 05/06/98 05/06/98 05/06/98 05/06/98 05/06/98 05/06/98 05/06/98	EPM EPM EPM EPM EPM EPM EPM EPM
WI DNR Gasoline Range Organics Analytical No.:	μg/l	250.0	7,480. 34411	G3 G6	05/05/98	EPM



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/23/98
REPORT DATE: 05/08/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	TRIP BLANK-USE 04/23/98	_Qualifiers	Date Analyzed	By
•	OHILLS	<u> </u>	04/23/96	Quartiters	Allalyzeu	<u></u> Y
EPA_8021_						
Benzene	$\mu$ g/l	0.5	X		05/06/98	EPM
Bromobenzene	μg/l	2.0	X		05/06/98	EPM
Bromodichloromethane	$\mu g/1$	1.0	X		05/06/98	EPM
n-Butylbenzene	$\mu g/1$	1.0	X		05/06/98	EPM
sec-Butylbenzene	μg/l	1.0	X		05/06/98	EPM
tert-Butylbenzene	$\mu g/1$	1.0	X		05/06/98	EPM
Carbon Tetrachloride	$\mu g/1$	1.0	X	CSH	05/06/98	EPM
Chlorobenzene	μg/l	1.0	X		05/06/98	EPM
Chlorodibromomethane	μg/l	1.0	X		05/06/98	EPM
Chloroethane	μg/l	1.0	X		05/06/98	EPM
Chloroform	μg/l	1.0	X		05/06/98	EPM
Chloromethane	μg/l	2.0	X	CSH	05/06/98	EPM
o-Chlorotoluene	μg/l	1.0	X		05/06/98	EPM
p-Chlorotoluene	μg/l	2.0	X		05/06/98	EPM
1,2-Dibromo-3-chloropropa		1.0	x		05/06/98	EPM
1,2-Dibromoethane	μg/l	1.0	X		05/06/98	EPM
1,2-Dichlorobenzene	$\mu g/1$	1.0	X		05/06/98	EPM
1,3-Dichlorobenzene	μg/l	1.0	X		05/06/98	EPM
1,4-Dichlorobenzene	μg/l	1.0	X		05/06/98	EPM
Dichlorodifluoromethane	μg/l	2.0	X		05/06/98	EPM
1,1-Dichloroethane	μg/l	1.0	X		05/06/98	EPM
1,2-Dichloroethane	μg/l	1.0	X		05/06/98	EPM
1,1-Dichloroethylene	$\mu g/1$	1.0	X	CSH	05/06/98	EPM
cis-1,2-Dichloroethylene	μg/l	2.0	X	CSH	05/06/98	EPM
trans-1,2-Dichloroethylen		1.0	X		05/06/98	EPM
1,2-Dichloropropane	μg/l	1.0	X		05/06/98	EPM
1,3-Dichloropropane	μg/l	1.0	X		05/06/98	EPM
2,2-Dichloropropane	μg/l	2.0	X	CSH	05/06/98	EPM
Ethylbenzene	$\mu g/1$	1.0	X		05/06/98	EPM
Hexachlorobutadiene	μg/l	1.0	X		05/06/98	EPM
Isopropylbenzene	μg/l	1.0	X		05/06/98	EPM
Isopropyl Ether	μg/l	1.0	X		05/06/98	EPM
p-Isopropyltoluene	$\mu g/1$	1.0	X		05/06/98	EPM
Methyl tert Butyl Ether	$\mu g/1$	1.0	X		05/06/98	EPM
Methylene Chloride	$\mu g/1$	2.0	X		05/06/98	EPM
Naphthalene	μg/l	1.0	X		05/06/98	EPM
n-Propylbenzene	$\mu g/1$	1.0	X		05/06/98	EPM
Tetrachloroethylene	μg/l	1.0	X		05/06/98	EPM
1,1,2,2-Tetrachloroethane		1.0	Х		05/06/98	EPM
Toluene	μg/l	1.0	X		05/06/98	EPM
1,2,3-Trichlorobenzene	μg/l	1.0	X	*	05/06/98	EPM
1,2,4-Trichlorobenzene	μg/l	1.0	X		05/06/98	EPM
1,1,1-Trichloroethane	μg/l	1.0	X		05/06/98	EPM
1,1,2-Trichloroethane	$\mu g/1$	1.0	X		05/06/98	EPM
Trichloroethylene	μg/l	0.5	X		05/06/98	EPM
-					•	

Analytical No.:

34412

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/23/98
REPORT DATE: 05/08/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	TRIP BLANK-USF 04/23/98	<u>Qualifier</u> s	Date Analyzed	Ву
Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l	1.0 1.0 1.0 0.2 1.0	X X X X X	CSH	05/06/98 05/06/98 05/06/98 05/06/98 05/06/98	EPM EPM EPM EPM EPM
WI DNR Gasoline Range Organics	μg/l	50.	х		05/02/98	EPM
Analytical No.:			34412			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/23/98
REPORT DATE: 05/08/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	MEOH BLANK-USF	Qualifiers	Date S Analyzed	<u>B</u> y
<del></del>	OHICS		<u> </u>	<u>Qualifici</u>	HIGLYZCG_	
EPA 8021_						
Benzene	mg/l	0.02	X		04/28/98	LMP
Bromobenzene	mg/l	0.02	X		04/28/98	LMP
Bromodichloromethane	mg/1	0.02	X		04/28/98	LMP
n-Butylbenzene	mg/1	0.02	X		04/28/98	LMP
sec-Butylbenzene	mg/1	0.02	X		04/28/98	LMP
tert-Butylbenzene	mg/l	0.02	x		04/28/98	LMP
Carbon Tetrachloride	mg/l	0.02	X	SPL	04/28/98	LMP
Chlorobenzene	mg/l	0.02	X		04/28/98	LMP
Chlorodibromomethane	mg/1	0.02	x	CSL	04/28/98	LMP
Chloroethane	mg/l	0.02	X	SPL DUP	04/28/98	LMP
Chloroform	mg/l	0.02	x		04/28/98	LMP
Chloromethane	mq/1	0.02	X	CSL SPL	DUP04/28/98	LMP
o-Chlorotoluene	mg/l	0.02	X		04/28/98	LMP
p-Chlorotoluene	mq/1	0.02	X		04/28/98	LMP
1,2-Dibromo-3-chloropropane		0.02	X		04/28/98	LMP
1,2-Dibromoethane	mq/1	0.02	X	CSL	04/28/98	LMP
1,2-Dichlorobenzene	mg/1	0.02	X		04/28/98	LMP
1,3-Dichlorobenzene	mg/l	0.02	X		04/28/98	LMP
1,4-Dichlorobenzene	mg/1	0.02	X		04/28/98	LMP
Dichlorodifluoromethane	mg/1	0.02	X	SPL DUP	04/28/98	LMP
1,1-Dichloroethane	mg/1	0.02	X		04/28/98	LMP
1,2-Dichloroethane	mg/1	0.02	X		04/28/98	LMP
1,1-Dichloroethylene	mg/l	0.02	X		04/28/98	LMP
cis-1,2-Dichloroethylene	mg/l	0.02	X		04/28/98	LMP
trans-1,2-Dichloroethylene	mg/l	0.02	X	CSH	04/28/98	LMP
1,2-Dichloropropane	mg/1	0.02	X		04/28/98	LMP
1,3-Dichloropropane	mg/l	0.02	X		04/28/98	LMP
2,2-Dichloropropane	mg/1	0.02	X	SPL	04/28/98	LMP
Ethylbenzene	mg/1	0.02	X	2	04/28/98	LMP
Hexachlorobutadiene	mg/1	0.02	X		04/28/98	LMP
Isopropylbenzene	mg/l	0.02	X		04/28/98	LMP
Isopropyl Ether	mq/1	0.02	X		04/28/98	LMP
p-Isopropyltoluene	mg/1	0.02	X		04/28/98	LMP
Methyl tert Butyl Ether	mg/1	0.02	X		04/28/98	LMP
Methylene Chloride	mg/l	0.02	X	CSL	04/28/98	LMP
Naphthalene	mg/1	0.02	X	CDL	04/28/98	LMP
n-Propylbenzene	mg/l	0.02	X		04/28/98	LMP
Tetrachloroethylene	mg/1	0.02	X		04/28/98	LMP
1,1,2,2-Tetrachloroethane	mg/l	0.02	X	CSH	04/28/98	LMP
Toluene	mg/1	0.02	X	COLL	04/28/98	LMP
1,2,3-Trichlorobenzene	mg/1	0.02	X		04/28/98	LMP
1,2,4-Trichlorobenzene	mg/1	0.02	X		04/28/98	LMP
1,1,1-Trichloroethane	mg/1	0.02	X	SPL	04/28/98	LMP
1,1,2-Trichloroethane	mg/1	0.02	X	SFII	04/28/98	LMP
Trichloroethylene	mg/1	0.02	X		04/28/98	LMP
rrrenroroechlatene	mg/I	0.02	^		04/20/30	שויות

Analytical No.:

34413



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/23/98
REPORT DATE: 05/08/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	MEOH BLANK-USF 04/23/98_	Date <u>Qualifier</u> s <u>Analyzed</u>	Ву
EPA 8021 Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene o-Xylene & Styrene	mg/l mg/l mg/l mg/l mg/l	0.02 0.02 0.02 0.02 0.02 0.02	x x x x x x	SPL 04/28/98 04/28/98 04/28/98 CSL SPL DUP04/28/98 04/28/98	LMP LMP LMP LMP
WI DNR Soil Gasoline Range Organ	nic mg/l	2.5	х	05/03/98	EPM
Analytical No.:			34413		



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 04/23/98 REPORT DATE: 05/08/98

PREPARED BY: EPM REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

#### Qualifier Descriptions

CSH	Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
G3	The chromatogram in not characteristic for either gas or aged gas. It has a reportable concentration of peaks/area within the GRO window.
G6	The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
SPL	Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low. Non-detects verified with a low standard comparison.
DUP	Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.

ESP/ Lampert Lee & Associates 1968 Hwy. 54 East sconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 04/23/98
REPORT DATE: 05/08/98
PREPARED BY: EPM
REVIEWED BY:

Qualifier Descriptions

SPL Matrix spike recovery within analytical batch was low.

Sample matrix appears similar to your sample; result may be biased low.

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

CSL Check standard for this analyte exhibited a low bias.
Sample results may also be biased low. Non-detects
verified with a low standard comparison.

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

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Rec'd on ice?

Comments:

DATE/TIME

SAMPLERS: (Signature)\_\_\_

RELINQUISHED BY: (Signaturje)

RELINQUISHED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

DATE/TIME

DATE/TIME

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DEED TO THE

TOTAL S A Line CONT.

U.S. FILTER/ENVIRO	SCAN	I 301	W. MILI	TARY RD. ROTH	ISCHILD	, WI 5447	74 1-	800-338-SCAN
REPORT TO:  Name: Janet Company: Lampe Address: 10908	Snei 1-11	Lee	G ASS	BILL TO: ( Name: XI Company: Address:	306 MC	from Rep Donald	ort To i	nfo):
1015 (0705) Phone: (715)42	10 RM	31	5,60130	<u></u> Phone: (	)			
P.O. #					Α	NAI YTIC	CAL RE	QUESTS
Project # 48 -033 Location Spiritan	Quo	ote # <u>(/</u>	059		,	(use separa		
Sample Type  (Check all that apply  Groundwater	٦	Norm	urnaround T al (Pre-approve		20 th Say	108/8		
☐ Wastewater				•	2 2 3/	? Y		
Soil/Solid Drinking Water Oil			eded <u>5</u>	) 21-0753	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<i>3</i> //	/ پر ع/
☐ Vapor					1/3	SU?	1 2 N	
LAB USE ONLY	DATE	TIME	No. of Containers	SAMPLE ID			1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	REMARKS
06034407	4/23/9	1	2	\$3-7.18-20	X		f = f	
06034408	17 71		2	58-7 20-20'	/ <u>X</u>			
06034409	) (		3	SB-7 23 5	X			-
06034410	U		2	SB-8 20-22	X			
06034411	l,		3	SB-8, 24'	X			
06034412				Trip Blank				
06034413				MeoH Blank				
10 (10 m) 10 (10 m) 10 (10 m)								
<b>4</b>								
Lampert	M	c Obr	1a			6		
CHAIN OF				CORD		Ship. C	s leakin	ON N/A

RECEIVED BY: (Signature)

RECEIVED BY: (Signature)

RECEIVED FOR LABORATORY BY (Signature)

#### APPENDIX F

Laboratory Results - Groundwater Samples

**U.S. FILTER/ENVIROSCAN** 301 WEST MILITARY ROAD ROTHSCHILD, WI 54474 TELEPHONE 715-359-7226 FACSIMILE 715-355-3221

August 11, 1998

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

Re: SPIRITLAND

Please find enclosed the analytical results for the sample(s) received August 1, 1998.

The chain of custody document is enclosed.

If you have any questions about the results, please call. Thank you for using US Filter/Enviroscan for your analytical needs.

Sincerely,

US Filter/Enviroscan

Eric P. Martin

Analytical Chemist

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: SPIRITLAND
SAMPLED BY: Client
DATE REC'D: 08/01/98
REPORT DATE: 08/11/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	TT: 1 to -	Reporting	MW-1	0 1.5	Date	-
-	Units	_ <u>Limit</u>	07/31/98	<u>Qualifier</u> s	Analyzed	<u>B</u> y
EPA 239.2						
Lead (GFAAS)	$\mu$ g/l	1.0	25.4		08/05/98	JCH
Lead (Graab)	μ9/1	1.0	23.4		00/03/30	UCII
EPA 8021						
Benzene	$\mu g/1$	25.0	X		08/05/98	LMP
Bromobenzene	$\mu g/1$	100.0	X		08/06/98	LMP
Bromodichloromethane	μg/l	50.0	X		08/06/98	LMP
n-Butylbenzene	μg/l	50.0	X	S1H S2H	08/05/98	LMP
sec-Butylbenzene	μg/l	50.0	X	S1H	08/05/98	LMP
tert-Butylbenzene	$\mu g/1$	50.0	X	S1H S2H	08/05/98	LMP
Carbon Tetrachloride	$\mu g/1$	50.0	X	DUP	08/06/98	LMP
Chlorobenzene	μg/l	50.0	X		08/05/98	LMP
Chlorodibromomethane	μg/l	50.0	X		08/06/98	LMP
Chloroethane	$\mu g/1$	50.0	X		08/06/98	LMP
Chloroform	μg/l	50.0	X	DUP	08/06/98	LMP
Chloromethane	μg/l	100.0	X	CSL	08/06/98	LMP
o-Chlorotoluene	μg/l	50.0	X		08/06/98	LMP
p-Chlorotoluene	μg/l	100.0	X		08/06/98	LMP
1,2-Dibromo-3-chloropropar		50.0	X	S2H	08/06/98	LMP
1,2-Dibromoethane	μg/l	50.0	Х		08/06/98	LMP
1,2-Dichlorobenzene	$\mu g/1$	50.0	X		08/06/98	LMP
1,3-Dichlorobenzene	μg/l	50.0	X		08/06/98	LMP
1,4-Dichlorobenzene	μg/l	50.0	X		08/06/98	LMP
Dichlorodifluoromethane	$\mu g/1$	100.0	X		08/06/98	LMP
1,1-Dichloroethane	$\mu g/1$	50.0	X		08/06/98	LMP
1,2-Dichloroethane	$\mu g/1$	50.0	X	DUP	08/06/98	LMP
1,1-Dichloroethylene	$\mu g/1$	50.0	X		08/06/98	LMP
cis-1,2-Dichloroethylene	$\mu g/1$	100.0	X		08/06/98	LMP
trans-1,2-Dichloroethylene		50.0	X		08/06/98	LMP
1,2-Dichloropropane	$\mu g/1$	50.0	X		08/06/98	LMP
1,3-Dichloropropane	μg/l	50.0	X		08/06/98	LMP
2,2-Dichloropropane	μg/l	100.0	X	CSL	08/06/98	LMP
Ethylbenzene	μg/l	50.0	380.		08/05/98	LMP
Hexachlorobutadiene	$\mu g/1$	50.0	X		08/06/98	LMP
Isopropylbenzene	μg/l	50.0	X	S1H	08/05/98	LMP
Isopropyl Ether	μg/l	50.0	X		08/05/98	LMP
p-Isopropyltoluene	$\mu g/1$	50.0	X	CSH	08/05/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	50.0	X		08/05/98	LMP
Methylene Chloride	μg/l	100.0	X		08/06/98	LMP
Naphthalene	μg/l	50.0	180.	S2H	08/05/98	LMP
n-Propylbenzene	$\mu g/1$	50.0	X	CSL	08/05/98	LMP
Tetrachloroethylene	$\mu g/1$	50.0	X		08/06/98	LMP
1,1,2,2-Tetrachloroethane	$\mu g/1$	50.0	X	CSL	08/06/98	LMP
Toluene	$\mu g/1$	50.0	2,800.		08/11/98	EPM
1,2,3-Trichlorobenzene	μg/1	50.0	Z,000. X		08/06/98	LMP
1,2,4-Trichlorobenzene	$\mu g/1$	50.0	X		08/06/98	LMP
_, _,	F3/ ==		<del>-</del> -		22, 30, 30	

Analytical No.:

45223

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: SPIRITLAND
SAMPLED BY: Client
DATE REC'D: 08/01/98
REPORT DATE: 08/11/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting <u>Limit</u>	MW-1 _07/31/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021 1,1,1-Trichloroethane 1,1,2-Trichloroethane	μg/l μg/l	50.0 50.0	X X	DUP	08/06/98 08/06/98	LMP LMP
Trichloroethylene Trichlorofluoromethane 1,2,4-Trimethylbenzene	μg/l μg/l μg/l	25.0 50.0 50.0	X X 1,130.	CSH	08/06/98 08/06/98 08/05/98	LMP LMP LMP
1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene	μg/l μg/l μg/l	50.0 10.0 50.0	367. X 3,780. 1,750.		08/05/98 08/06/98 08/11/98 08/05/98	LMP LMP EPM LMP
o-Xylene & Styrene  WI DNR Gasoline Range Organics	μg/l μg/l	50.0 2500.	15,100.	G2	08/11/98	EPM
Analytical No.:	, 3,		45223			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLAND
SAMPLED BY: Client
DATE REC'D: 08/01/98
REPORT DATE: 08/11/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

_	Units	Reporting Limit	MW-2 _07/31/98_	<u>Qualifier</u> s	Date Analyzed	<u>B</u> y
EPA 239.2						
Lead (GFAAS)	$\mu$ g/l	4.0	188.		08/05/98	JCH
EPA 8021_						
Benzene	$\mu g/1$	25.0	X		08/05/98	LMP
Bromobenzene	$\mu g/1$	100.0	X		08/05/98	$_{ m LMP}$
Bromodichloromethane	$\mu$ g/l	50.0	X		08/05/98	LMP
n-Butylbenzene	$\mu g/1$	50.0	209.		08/05/98	LMP
sec-Butylbenzene	$\mu g/1$	50.0	X		08/05/98	LMP
tert-Butylbenzene	$\mu$ g/l	50.0	X	S1H	08/05/98	$\mathtt{LMP}$
Carbon Tetrachloride	$\mu$ g/l	50.0	X		08/05/98	$_{ m LMP}$
Chlorobenzene	$\mu g/l$	50.0	X		08/05/98	LMP
Chlorodibromomethane	$\mu g/1$	50.0	X		08/05/98	LMP
Chloroethane	$\mu g/1$	50.0	X		08/05/98	LMP
Chloroform	$\mu g/1$	50.0	X		08/05/98	LMP
Chloromethane	$\mu$ g/l	100.0	X	CSL	08/05/98	LMP
o-Chlorotoluene	μg/l	50.0	X		08/05/98	$\mathtt{LMP}$
p-Chlorotoluene	$\mu$ g/l	100.0	X		08/05/98	$\mathtt{LMP}$
1,2-Dibromo-3-chloropropan	e μg/l	50.0	X		08/05/98	$\mathtt{LMP}$
1,2-Dibromoethane	$\mu g/1$	50.0	X		08/05/98	$\mathtt{LMP}$
1,2-Dichlorobenzene	$\mu g/1$	50.0	X		08/05/98	LMP
1,3-Dichlorobenzene	$\mu g/1$	50.0	X		08/05/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	50.0	X		08/05/98	LMP
Dichlorodifluoromethane	μg/l	100.0	X		08/05/98	LMP
1,1-Dichloroethane	$\mu$ g/l	50.0	X		08/05/98	LMP
1,2-Dichloroethane	μg/l	50.0	X		08/05/98	LMP
1,1-Dichloroethylene	$\mu$ g/l	50.0	X		08/05/98	$\mathtt{LMP}$
cis-1,2-Dichloroethylene	$\mu$ g/l	100.0	X		08/05/98	LMP
trans-1,2-Dichloroethylene	μg/l	50.0	X		08/05/98	LMP
1,2-Dichloropropane	$\mu g/l$	50.0	X		08/05/98	LMP
1,3-Dichloropropane	$\mu g/1$	50.0	X		08/05/98	LMP
2,2-Dichloropropane	$\mu g/1$	100.0	X	CSL	08/05/98	LMP
Ethylbenzene	$\mu g/1$	50.0	1,140.		08/05/98	LMP
Hexachlorobutadiene	μg/l	50.0	X		08/05/98	LMP
Isopropylbenzene	$\mu$ g/l	50.0	203.		08/05/98	LMP
Isopropyl Ether	$\mu g/1$	50.0	X		08/05/98	LMP
p-Isopropyltoluene	$\mu g/1$	50.0	106.	CSH	08/05/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	50.0	X		08/05/98	LMP
Methylene Chloride	$\mu g/1$	100.0	X		08/05/98	$\mathtt{LMP}$
Naphthalene	$\mu$ g/l	50.0	296.		08/05/98	LMP
n-Propylbenzene	$\mu g/l$	50.0	195.	CSL	08/05/98	LMP
Tetrachloroethylene	$\mu g/1$	50.0	X		08/05/98	LMP
1,1,2,2-Tetrachloroethane	$\mu g/1$	50.0	X	CSL	08/05/98	LMP
Toluene	$\mu g/1$	50.0	3,580.		08/11/98	EPM
1,2,3-Trichlorobenzene	$\mu$ g/l	50.0	X		08/05/98	LMP
1,2,4-Trichlorobenzene	$\mu$ g/l	50.0	X		08/05/98	LMP
			45004			

Analytical No.:

X = Analyzed but not detected.

45224

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: SPIRITLAND
SAMPLED BY: Client
DATE REC'D: 08/01/98
REPORT DATE: 08/11/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting <u>Limit</u>	MW-2 _07/31/98	<u> </u>	Date Analyzed	Ву
EPA 8021  1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride	μg/l μg/l μg/l μg/l μg/l μg/l μg/l	50.0 50.0 25.0 50.0 50.0 50.0	X X X X 1,990. 1,010. X	CSH	08/05/98 08/05/98 08/05/98 08/05/98 08/05/98 08/05/98 08/05/98	LMP LMP LMP LMP LMP LMP
m- & p-Xylene o-Xylene & Styrene WI DNR	μg/l μg/l	50.0 50.0	4,260. 1,810.		08/11/98 08/05/98	EPM LMP
Gasoline Range Organics Analytical No.:	μg/l	2500.0	28,200. 45224	G2	08/11/98	EPM

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLAND SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98 PREPARED BY: EPM REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

EPA 239.2	
Lead (GFAAS) $\mu$ g/l 1.0 8.77 08/05/98	JCH
EPA 8021_	
Benzene $\mu g/1$ 0.5 X 08/05/98	LMP
Bromobenzene $\mu g/l$ 2.0 X 08/05/98	LMP
Bromodichloromethane $\mu \bar{g}/l$ 1.0 X 08/05/98	LMP
n-Butylbenzene $\mu \bar{g}/l$ 1.0 X 08/05/98	LMP
sec-Butylbenzene $\mu \overline{g}/l$ 1.0 X 08/05/98	LMP
tert-Butylbenzene $\mu$ g/l 1.0 X SPH 08/05/98	LMP
Carbon Tetrachloride $\mu g/l$ 1.0 X 08/05/98	LMP
Chlorobenzene $\mu$ g/l 1.0 X 08/05/98	LMP
Chlorodibromomethane $\mu$ g/l 1.0 X 08/05/98	LMP
Chloroethane $\mu \hat{g}/l$ 1.0 X 08/05/98	LMP
Chloroform $\mu g/l$ 1.0 X 08/05/98	LMP
Chloromethane $\mu \bar{g}/l$ 2.0 X CSL 08/05/98	LMP
o-Chlorotoluene $\mu \hat{g}/l$ 1.0 X 08/05/98	LMP
p-Chlorotoluene $\mu g/l$ 2.0 X 08/05/98	LMP
1,2-Dibromo-3-chloropropane $\mu g/l$ 1.0 X 08/05/98	LMP
1,2-Dibromoethane $\mu$ g/l 1.0 X 08/05/98	LMP
1,2-Dichlorobenzene $\mu g/l$ 1.0 X 08/05/98	LMP
1,3-Dichlorobenzene $\mu \bar{g}/l$ 1.0 X 08/05/98	LMP
1,4-Dichlorobenzene $\mu \overline{g}/1$ 1.0 X 08/05/98	LMP
Dichlorodifluoromethane $\mu \bar{g}/l$ 2.0 X 08/05/98	LMP
1,1-Dichloroethane $\mu q/l$ 1.0 X 08/05/98	LMP
1,2-Dichloroethane $\mu g/l$ 1.0 X 08/05/98	LMP
1,1-Dichloroethylene $\mu g/l$ 1.0 X 08/05/98	LMP
cis-1,2-Dichloroethylene $\mu g/l$ 2.0 X 08/05/98	LMP
trans-1,2-Dichloroethylene $\mu g/l$ 1.0 X 08/05/98	LMP
1,2-Dichloropropane $\mu \bar{g}/l$ 1.0 X 08/05/98	LMP
1,3-Dichloropropane $\mu$ g/l 1.0 X 08/05/98	LMP
2,2-Dichloropropane $\mu g/l$ 2.0 X CSL 08/05/98	LMP
Ethylbenzene $\mu g/l$ 1.0 X 08/05/98	LMP
Hexachlorobutadiene $\mu \bar{g}/l$ 1.0 X 08/05/98	LMP
Isopropylbenzene $\mu$ g/l 1.0 X 08/05/98	LMP
Isopropyl Ether $\mu \bar{g}/l$ 1.0 X 08/05/98	LMP
p-Isopropyltoluene $\mu$ g/l 1.0 X CSH 08/05/98	LMP
Methyl tert Butyl Ether $\mu g/l$ 1.0 X 08/05/98	LMP
Methylene Chloride $\mu g/l$ 2.0 X 08/05/98	LMP
Naphthalene $\mu g/l$ 1.0 X 08/05/98	LMP
n-Propylbenzene $\mu g/l$ 1.0 X CSL 08/05/98	LMP
Tetrachloroethylene $\mu g/l$ 1.0 X 08/05/98	LMP
1,1,2,2-Tetrachloroethane $\mu$ g/l 1.0 X CSL 08/05/98	LMP
Toluene $\mu g/l$ 1.0 X 08/05/98	LMP
1,2,3-Trichlorobenzene $\mu g/l$ 1.0 X 08/05/98	LMP
1,2,4-Trichlorobenzene $\mu$ g/l 1.0 X 08/05/98	LMP

Analytical No.:

45225

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLAND SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98 PREPARED BY: EPM REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting <u>Limit</u>	MW-3 07/31/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021						
1,1,1-Trichloroethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,1,2-Trichloroethane	$\mu \mathrm{g}/1$	1.0	X		08/05/98	LMP
Trichloroethylene	$\mu g/1$	0.5	X	CSH	08/05/98	LMP
Trichlorofluoromethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,2,4-Trimethylbenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,3,5-Trimethylbenzene	$\mu g/1$	1.0	X		08/05/98	LMP
Vinyl Chloride	μg/l	0.2	X		08/05/98	LMP
m- & p-Xylene	$\mu g/1$	1.0	X		08/05/98	LMP
o-Xylene & Styrene	$\mu g/1$	1.0	X		08/05/98	LMP
WI DNR						
Gasoline Range Organics	$\mu g/1$	50.	X		08/06/98	EPM
Analytical No.:			45225			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLAND SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98 PREPARED BY: EPM

REVIEWED BY: MU

Attn: Janet Snedeker/ Bob Mcdonald

<u> Units Limit 07/31/98 Qualifiers Analyzed By</u>	
TD3 220 2	
EPA 239.2 Lead (GFAAS) $\mu g/l$ 1.0 3.80 08/05/98 JC	
Lead (Grans) $\mu g/1$ 1.0 3.80 08/05/38 00	(GFAAS)
EPA 8021	3021
Benzene $\mu g/1$ 0.5 X 08/05/98 LM	<del> </del>
Bromobenzene $\mu g/1$ 2.0 X 08/05/98 LM	obenzene
Bromodichloromethane $\mu g/1$ 1.0 X 08/05/98 LM	nodichloromethane
n-Butylbenzene $\mu g/l$ 1.0 X 08/05/98 LM	
sec-Butylbenzene $\mu$ g/l 1.0 X 08/05/98 LM	-
tert-Butylbenzene $\mu$ g/l 1.0 X SPH 08/05/98 LN	
Carbon Tetrachloride $\mu g/l$ 1.0 X 08/05/98 LN	
Chlorobenzene $\mu g/l$ 1.0 X 08/05/98 LN	robenzene
Chlorodibromomethane $\mu q/l$ 1.0 X 08/05/98 LM	
Chloroethane $\mu g/l$ 1.0 X 08/05/98 LM	roethane
Chloroform $\mu g/l$ 1.0 X 08/05/98 LN	proform
Chloromethane $\mu g/l$ 2.0 X CSL 08/05/98 LN	promethane
o-Chlorotoluene $\mu$ g/l 1.0 X 08/05/98 LM	lorotoluene
p-Chlorotoluene $\mu g/1$ 2.0 X 08/05/98 LM	lorotoluene
1,2-Dibromo-3-chloropropane $\mu g/l$ 1.0 X 08/05/98 LM	Dibromo-3-chloropropa
1,2-Dibromoethane $\mu g/l$ 1.0 X 08/05/98 LN	
1,2-Dichlorobenzene $\mu g/l$ 1.0 X 08/05/98 LM	
1,3-Dichlorobenzene $\mu g/l$ 1.0 X 08/05/98 LM	
1,4-Dichlorobenzene $\mu$ g/l 1.0 X 08/05/98 LM	
Dichlorodifluoromethane $\mu g/l$ 2.0 X 08/05/98 LM	
1,1-Dichloroethane $\mu g/l$ 1.0 X 08/05/98 LM	
1,2-Dichloroethane $\mu g/l$ 1.0 X 08/05/98 LM	
1,1-Dichloroethylene $\mu g/l$ 1.0 X 08/05/98 LM	
cis-1,2-Dichloroethylene $\mu g/l$ 2.0 X 08/05/98 LM	
trans-1,2-Dichloroethylene $\mu g/l$ 1.0 X 08/05/98 LM	
1,2-Dichloropropane $\mu$ g/l 1.0 X 08/05/98 LM	
1,3-Dichloropropane $\mu$ g/l 1.0 X 08/05/98 LM	<del>_</del> _
2,2-Dichloropropane $\mu$ g/l 2.0 X CSL 08/05/98 LM	
Ethylbenzene $\mu g/l$ 1.0 X 08/05/98 LM	
Hexachlorobutadiene $\mu g/l$ 1.0 X 08/05/98 LM	
Isopropylbenzene $\mu g/l$ 1.0 X 08/05/98 LM	
Isopropyl Ether $\mu g/l$ 1.0 X 08/05/98 LM	
p-Isopropyltoluene $\mu$ g/l 1.0 X CSH 08/05/98 LM	
Methyl tert Butyl Ether $\mu g/l$ 1.0 X 08/05/98 LM	
Methylene Chloride $\mu g/l$ 2.0 X 08/05/98 LM	
Naphthalene $\mu g/l$ 1.0 X 08/05/98 LM	<b>-</b>
n-Propylbenzene $\mu g/1$ 1.0 X CSL 08/05/98 LM	
Tetrachloroethylene $\mu g/l$ 1.0 X 08/05/98 LM	
1,1,2,2-Tetrachloroethane $\mu$ g/l 1.0 X CSL 08/05/98 LM	
Toluene $\mu g/1$ 1.0 X 08/05/98 LM	
1,2,3-Trichlorobenzene $\mu g/l$ 1.0 X 08/05/98 LM	
1,2,4-Trichlorobenzene $\mu$ g/l 1.0 X 08/05/98 LM	

Analytical No.:

45226

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: SPIRITLAND SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98 PREPARED BY: EPM REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	MW-4 07/31/98	Qualifiers	Date Analyzed	Ву
EPA 8021  1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 1.0 0.5 1.0 1.0 0.2 1.0	X X X X X X X X	CSH	08/05/98 08/05/98 08/05/98 08/05/98 08/05/98 08/05/98 08/05/98 08/05/98	LMP LMP LMP LMP LMP LMP LMP LMP LMP
WI DNR Gasoline Range Organics Analytical No.:	μg/l	50.	X 45226		08/06/98	EPM

X = Analyzed but not detected.

#### J.S.FILTE

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLAND

SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98

PREPARED BY: EPM REVIEWED BY: MAN

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting	MW-5 07/31/98	Qualifiers	Date	D
	OHILLS	<u>Limit</u>	01/31/98	Qualitiers	Analyzed	<u>B</u> y
EPA 239.2						
Lead (GFAAS)	$\mu$ g/l	1.0	3.12		08/05/98	JCH
	,					
EPA 8021	_					
Benzene	$\mu g/1$	0.5	X		08/05/98	LMP
Bromobenzene	$\mu$ g/l	2.0	X		08/05/98	LMP
Bromodichloromethane	$\mu g/1$	1.0	X		08/05/98	LMP
n-Butylbenzene	$\mu$ g/l	1.0	X		08/05/98	LMP
sec-Butylbenzene	$\mu g/1$	1.0	X		08/05/98	LMP
tert-Butylbenzene	$\mu g/1$	1.0	X	SPH	08/05/98	LMP
Carbon Tetrachloride	$\mu g/1$	1.0	X		08/05/98	LMP
Chlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
Chlorodibromomethane	μg/l	1.0	X		08/05/98	LMP
Chloroethane	$\mu g/1$	1.0	X		08/05/98	LMP
Chloroform	μg/l	1.0	X		08/05/98	LMP
Chloromethane	$\mu g/1$	2.0	X	CSL	08/05/98	LMP
o-Chlorotoluene	$\mu g/1$	1.0	X		08/05/98	LMP
p-Chlorotoluene	$\mu g/1$	2.0	X		08/05/98	LMP
1,2-Dibromo-3-chloropropa	$me \mu g/1$	1.0	X		08/05/98	LMP
1,2-Dibromoethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,2-Dichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,3-Dichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,4-Dichlorobenzene	$\mu g/l$	1.0	X		08/05/98	LMP
Dichlorodifluoromethane	$\mu g/1$	2.0	X		08/05/98	LMP
1,1-Dichloroethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,2-Dichloroethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,1-Dichloroethylene	$\mu$ g/l	1.0	X		08/05/98	LMP
cis-1,2-Dichloroethylene	$\mu g/1$	2.0	X		08/05/98	LMP
trans-1,2-Dichloroethylen		1.0	X		08/05/98	LMP
1,2-Dichloropropane	$\mu g/1$	1.0	X		08/05/98	LMP
1,3-Dichloropropane	μg/l	1.0	X		08/05/98	LMP
2,2-Dichloropropane	$\mu g/1$	2.0	X	CSL	08/05/98	LMP
Ethylbenzene	$\mu g/1$	1.0	X		08/05/98	LMP
Hexachlorobutadiene	μg/l	1.0	X		08/05/98	LMP
Isopropylbenzene	μg/l	1.0	X		08/05/98	LMP
Isopropyl Ether	$\mu g/1$	1.0	X		08/05/98	LMP
p-Isopropyltoluene	μg/l	1.0	X	CSH	08/05/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	1.0	X	0011	08/05/98	LMP
Methylene Chloride	$\mu g/1$	2.0	X		08/05/98	LMP
Naphthalene	$\mu g/1$	1.0	X		08/05/98	LMP
n-Propylbenzene	μg/1 μg/l	1.0	X	CSL	08/05/98	LMP
Tetrachloroethylene	$\mu g/1$	1.0	X		08/05/98	LMP
1,1,2,2-Tetrachloroethane	$\mu g/1$	1.0	X	CSL	08/05/98	LMP
Toluene	$\mu g/1$	1.0	X		08/05/98	LMP
	$\mu g/1$	1.0	X		08/05/98	LMP
1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,2,4-111CHIOLODEHZEHE	μ9/1	<b></b> •	21		00,00,00	aluré "d'alu

Analytical No.:

45227

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLAND

SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98

PREPARED BY: EPM REVIEWED BY: MM

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	MW-5 07/31/98	<u> Qualifier</u> s	Date Analyzed	Ву
EPA 8021 1,1,1-Trichloroethane	μ <b>g</b> /l	1.0	Х		08/05/98	LMP
1,1,2-Trichloroethane	μg/1	1.0	X		08/05/98	LMP
Trichloroethylene	$\mu g/1$	0.5	X	CSH	08/05/98	LMP
Trichlorofluoromethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,2,4-Trimethylbenzene	$\mu g/1$	1.0	X		08/05/98	$\mathtt{LMP}$
1,3,5-Trimethylbenzene	$\mu g/1$	1.0	X		08/05/98	LMP
Vinyl Chloride	$\mu g/1$	0.2	X		08/05/98	LMP
m- & p-Xylene	$\mu$ g/l	1.0	X		08/05/98	LMP
o-Xylene & Styrene	μg/l	1.0	X		08/05/98	LMP
WI DNR						
Gasoline Range Organics	$\mu$ g/l	50.	X		08/06/98	EPM
Analytical No.:			45227			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLAND SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98 PREPARED BY: EPM

REVIEWED BY: MM

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	MW-6 07/31/98	<u> Oualifier</u> s	Date Analyzed	Ву
EPA 239.2						
Lead (GFAAS)	$\mu$ g/l	1.0	4.11		08/05/98	JCH
EPA 8021_						
Benzene	$\mu$ g/l	0.5	X		08/05/98	LMP
Bromobenzene	μg/l	2.0	X		08/05/98	LMP
Bromodichloromethane	μg/l	1.0	X		08/05/98	LMP
n-Butylbenzene	μg/l	1.0	X		08/05/98	LMP
sec-Butylbenzene	$\mu g/1$	1.0	X		08/05/98	LMP
tert-Butylbenzene	μg/l	1.0	X	SPH	08/05/98	LMP
Carbon Tetrachloride	μg/l	1.0	X		08/05/98	LMP
Chlorobenzene	μg/l	1.0	X		08/05/98	LMP
Chlorodibromomethane	$\mu g/1$	1.0	X		08/05/98	LMP
Chloroethane	μg/l	1.0	X		08/05/98	LMP
Chloroform	$\mu g/1$	1.0	X		08/05/98	LMP
Chloromethane	$\mu q/1$	2.0	X	CSL	08/05/98	LMP
o-Chlorotoluene	$\mu g/1$	1.0	X		08/05/98	LMP
p-Chlorotoluene	$\mu g/1$	2.0	X		08/05/98	LMP
1,2-Dibromo-3-chloropropane		1.0	X		08/05/98	LMP
1,2-Dibromoethane	μg/1	1.0	X		08/05/98	LMP
1,2-Dichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,3-Dichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
Dichlorodifluoromethane	μg/1 μg/l	2.0	X		08/05/98	LMP
1,1-Dichloroethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,2-Dichloroethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,1-Dichloroethylene	$\mu g/1$	1.0	X		08/05/98	LMP
cis-1,2-Dichloroethylene	$\mu g/1$ $\mu g/1$	2.0	X		08/05/98	LMP
trans-1,2-Dichloroethylene	μg/1 μg/l	1.0	X		08/05/98	LMP
	$\mu g/1$ $\mu g/1$	1.0	X		08/05/98	LMP
1,2-Dichloropropane		1.0	X		08/05/98	LMP
1,3-Dichloropropane	μg/l	2.0	X	CSL	08/05/98	LMP
2,2-Dichloropropane	μg/l	1.0	X	CSD	08/05/98	LMP
Ethylbenzene Hexachlorobutadiene	μg/l μg/l	1.0	X		08/05/98	LMP
	, -	1.0	X		08/05/98	LMP
Isopropylbenzene	μg/l	1.0	X		08/05/98	LMP
Isopropyl Ether	μg/l		X	acti		—
p-Isopropyltoluene	μg/l	1.0	X	CSH	08/05/98	LMP
Methyl tert Butyl Ether	μg/l	1.0	X		08/05/98	LMP
Methylene Chloride	$\mu g/1$	2.0	X		08/05/98	LMP
Naphthalene	$\mu g/1$	1.0	X X	acr	08/05/98	LMP
n-Propylbenzene	μg/l	1.0		CSL	08/05/98	LMP
Tetrachloroethylene	μg/l	1.0	X X	COT	08/05/98	LMP
1,1,2,2-Tetrachloroethane	μg/l	1.0		CSL	08/05/98	LMP
Toluene	$\mu g/1$	1.0	X		08/05/98	LMP
1,2,3-Trichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,2,4-Trichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP

Analytical No.:

45228

ESP/ Lampert Lee & Associates

10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLAND

SAMPLED BY: Client
DATE REC'D: 08/01/98
REPORT DATE: 08/11/98
PREPARED BY: EPM

REVIEWED BY: AM

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	MW-6 07/31/98	<u>Qualifier</u> s	Date Analyzed	<u>B</u> y
EPA 8021 1,1,1-Trichloroethane	μ <b>q</b> /l	1.0	X		08/05/98	LMP
1,1,2-Trichloroethane	μg/1 μg/1	1.0	X		08/05/98	LMP
Trichloroethylene	μg/l	0.5	X	CSH	08/05/98	LMP
Trichlorofluoromethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,2,4-Trimethylbenzene	$\mu g/1$	1.0	• X		08/05/98	LMP
1,3,5-Trimethylbenzene	$\mu g/1$	1.0	X		08/05/98	LMP
Vinyl Chloride	$\mu g/l$	0.2	X		08/05/98	LMP
m- & p-Xylene	$\mu$ g/l	1.0	X		08/05/98	$\mathtt{LMP}$
o-Xylene & Styrene	$\mu g/1$	1.0	Х		08/05/98	LMP
WI DNR						
Gasoline Range Organics	$\mu g/1$	50.	X		08/06/98	EPM
Analytical No.:			45228			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLAND SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98 PREPARED BY: EPM

REVIEWED BY: MM

Attn: Janet Snedeker/ Bob Mcdonald

Page   Page		Units	Reporting Limit	PZ-1 07/31/98	<u>Qualifier</u> s	Date Analyzed	Ву
Page   Page	EPA 239.2						
Benzene		μg/l	1.0	22.1		08/05/98	JCH
Bromobenzene	EPA 8021						
Bromodichloromethane	Benzene						
n-Butylbenzene		$\mu g/1$					
Sec-Butylbenzene							
Carbon Tetrachloride	n-Butylbenzene	$\mu$ g/l	50.0				-
Carbon Tetrachloride							
Chlorodibromomethane	tert-Butylbenzene	$\mu g/1$			SPH		
Chlorodibromomethane	Carbon Tetrachloride						
Chloroftorm							
Chloroform	Chlorodibromomethane						
Chloromethane		, -					
o-Chlorotoluene	Chloroform					* . * .	
p-Chlorotoluene         μg/l         100.0         X         08/05/98         LMP           1,2-Dibromo-3-chloropropane         μg/l         50.0         X         08/05/98         LMP           1,2-Dibromoethane         μg/l         50.0         X         08/05/98         LMP           1,2-Dichlorobenzene         μg/l         50.0         X         08/05/98         LMP           1,3-Dichlorobenzene         μg/l         50.0         X         08/05/98         LMP           1,4-Dichlorobenzene         μg/l         50.0         X         08/05/98         LMP           1,1-Dichloroethane         μg/l         50.0         X         08/05/98         LMP           1,2-Dichloroethane         μg/l         50.0         X         08/05/98         LMP           1,1-Dichloroethylene         μg/l         50.0         X         08/05/98         LMP           1,2-Dichloroethylene         μg/l         50.0         X         08/05/98         LMP           1,2-Dichloropethylene         μg/l         50.0         X         08/05/98         LMP           1,2-Dichloropropane         μg/l         50.0         X         08/05/98         LMP           1,2-Dichloropropane	Chloromethane		100.0		CSL		
1,2-Dibromo-3-chloropropane	o-Chlorotoluene					*. *.	
1,2-Dibromoethane						*	
1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	. μg/l	50.0				
1,3-Dichlorobenzene	1,2-Dibromoethane	$\mu$ g/l	50.0				
1,4-Dichlorobenzene	1,2-Dichlorobenzene	$\mu$ g/l			,		
Dichlorodifluoromethane         μg/l         100.0         X         08/05/98         LMP           1,1-Dichloroethane         μg/l         50.0         X         08/05/98         LMP           1,2-Dichloroethylene         μg/l         50.0         X         08/05/98         LMP           1,1-Dichloroethylene         μg/l         50.0         X         08/05/98         LMP           cis-1,2-Dichloroethylene         μg/l         50.0         X         08/05/98         LMP           trans-1,2-Dichloropropane         μg/l         50.0         X         08/05/98         LMP           1,2-Dichloropropane         μg/l         50.0         X         08/05/98         LMP           1,2-Dichloropropane         μg/l         50.0         X         08/05/98         LMP           1,2-Dichloropropane         μg/l         50.0         X         08/05/98         LMP           2,2-Dichloropropane         μg/l         50.0         X         CSL         08/05/98         LMP           Ethylbenzene         μg/l         50.0         X         CSL         08/05/98         LMP           Hexachlorobutadiene         μg/l         50.0         X         08/05/98         LMP	1,3-Dichlorobenzene	$\mu$ g/l					
1,1-Dichloroethane	1,4-Dichlorobenzene		50.0				LMP
1,2-Dichloroethane	Dichlorodifluoromethane		100.0				—
1,1-Dichloroethylene	1,1-Dichloroethane		50.0			08/05/98	LMP
cis-1,2-Dichloroethylene       µg/l       100.0       X       08/05/98       LMP         trans-1,2-Dichloroethylene       µg/l       50.0       X       08/05/98       LMP         1,2-Dichloropropane       µg/l       50.0       X       08/05/98       LMP         1,3-Dichloropropane       µg/l       50.0       X       08/05/98       LMP         2,2-Dichloropropane       µg/l       50.0       X       CSL       08/05/98       LMP         Ethylbenzene       µg/l       50.0       380.       08/05/98       LMP         Hexachlorobutadiene       µg/l       50.0       X       08/05/98       LMP         Isopropylbenzene       µg/l       50.0       X       08/05/98       LMP         Isopropyl Ether       µg/l       50.0       X       08/05/98       LMP         P-Isopropyltoluene       µg/l       50.0       X       CSH       08/05/98       LMP         Methyl tert Butyl Ether       µg/l       50.0       X       08/05/98       LMP         Naphthalene       µg/l       50.0       X       CSL       08/05/98       LMP         n-Propylbenzene       µg/l       50.0       X       CSL       08/05/	1,2-Dichloroethane		50.0			08/05/98	LMP
trans-1,2-Dichloroethylene       μg/l       50.0       X       08/05/98       LMP         1,2-Dichloropropane       μg/l       50.0       X       08/05/98       LMP         1,3-Dichloropropane       μg/l       50.0       X       08/05/98       LMP         2,2-Dichloropropane       μg/l       100.0       X       CSL       08/05/98       LMP         Ethylbenzene       μg/l       50.0       380.       08/05/98       LMP         Hexachlorobutadiene       μg/l       50.0       X       08/05/98       LMP         Hexachlorobutadiene       μg/l       50.0       X       08/05/98       LMP         Isopropylbenzene       μg/l       50.0       X       08/05/98       LMP         Isopropyl Ether       μg/l       50.0       X       08/05/98       LMP         P-Isopropyltoluene       μg/l       50.0       X       CSH       08/05/98       LMP         Methyl tert Butyl Ether       μg/l       50.0       X       08/05/98       LMP         Methylene Chloride       μg/l       50.0       X       08/05/98       LMP         Naphthalene       μg/l       50.0       X       CSL       08/05/98       LM	1,1-Dichloroethylene		50.0			08/05/98	LMP
1,2-Dichloropropane	cis-1,2-Dichloroethylene		100.0			08/05/98	$_{ m LMP}$
1,3-Dichloropropane	trans-1,2-Dichloroethylene		50.0				LMP
2,2-Dichloropropane       μg/l       100.0       X       CSL       08/05/98       LMP         Ethylbenzene       μg/l       50.0       380.       08/05/98       LMP         Hexachlorobutadiene       μg/l       50.0       X       08/05/98       LMP         Isopropylbenzene       μg/l       50.0       X       08/05/98       LMP         Isopropyl Ether       μg/l       50.0       X       08/05/98       LMP         p-Isopropyltoluene       μg/l       50.0       X       CSH       08/05/98       LMP         Methyl tert Butyl Ether       μg/l       50.0       X       08/05/98       LMP         Methylene Chloride       μg/l       100.0       X       08/05/98       LMP         Naphthalene       μg/l       50.0       75.0       08/05/98       LMP         n-Propylbenzene       μg/l       50.0       X       CSL       08/05/98       LMP         1,1,2,2-Tetrachloroethane       μg/l       50.0       X       CSL       08/05/98       LMP         1,2,3-Trichlorobenzene       μg/l       50.0       X       08/05/98       LMP	1,2-Dichloropropane		50.0			08/05/98	LMP
Ethylbenzene $\mu g/l$ 50.0 380. 08/05/98 LMP Hexachlorobutadiene $\mu g/l$ 50.0 X 08/05/98 LMP Isopropylbenzene $\mu g/l$ 50.0 X 08/05/98 LMP Isopropyl Ether $\mu g/l$ 50.0 X 08/05/98 LMP p-Isopropyl toluene $\mu g/l$ 50.0 X 08/05/98 LMP Methyl tert Butyl Ether $\mu g/l$ 50.0 X 08/05/98 LMP Methylene Chloride $\mu g/l$ 50.0 X 08/05/98 LMP Methylene Chloride $\mu g/l$ 100.0 X 08/05/98 LMP Naphthalene $\mu g/l$ 50.0 75.0 08/05/98 LMP n-Propylbenzene $\mu g/l$ 50.0 X 08/05/98 LMP Tetrachloroethylene $\mu g/l$ 50.0 X CSL 08/05/98 LMP Tetrachloroethylene $\mu g/l$ 50.0 X CSL 08/05/98 LMP 1,1,2,2-Tetrachloroethane $\mu g/l$ 50.0 X CSL 08/05/98 LMP Toluene $\mu g/l$ 50.0 X CSL 08/05/98 LMP Toluene $\mu g/l$ 50.0 X CSL 08/05/98 LMP 1,2,3-Trichlorobenzene $\mu g/l$ 50.0 X CSL 08/05/98 LMP	1,3-Dichloropropane		50.0				_
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2,2-Dichloropropane		100.0	X	$\mathtt{CSL}$	08/05/98	LMP
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Ethylbenzene		50.0	380.			LMP
Isopropyl Ether $\mu g/l$ 50.0 X 08/05/98 LMP p-Isopropyltoluene $\mu g/l$ 50.0 X CSH 08/05/98 LMP Methyl tert Butyl Ether $\mu g/l$ 50.0 X 08/05/98 LMP Methylene Chloride $\mu g/l$ 100.0 X 08/05/98 LMP Naphthalene $\mu g/l$ 50.0 75.0 08/05/98 LMP n-Propylbenzene $\mu g/l$ 50.0 X CSL 08/05/98 LMP Tetrachloroethylene $\mu g/l$ 50.0 X CSL 08/05/98 LMP 1,1,2,2-Tetrachloroethane $\mu g/l$ 50.0 X CSL 08/05/98 LMP Toluene $\mu g/l$ 50.0 X CSL 08/05/98 LMP 1,2,3-Trichlorobenzene $\mu g/l$ 50.0 X CSL 08/05/98 LMP 08/05/98 LMP	Hexachlorobutadiene	$\mu g/1$	50.0				LMP
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Isopropylbenzene		50.0				$\mathtt{LMP}$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Isopropyl Ether	$\mu g/1$	50.0	X		08/05/98	LMP
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	p-Isopropyltoluene		50.0		CSH		LMP
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Methyl tert Butyl Ether		50.0				LMP
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Methylene Chloride		100.0			08/05/98	LMP
Tetrachloroethylene $\mu g/l$ 50.0 X 08/05/98 LMP 1,1,2,2-Tetrachloroethane $\mu g/l$ 50.0 X CSL 08/05/98 LMP Toluene $\mu g/l$ 50.0 576. 08/05/98 LMP 1,2,3-Trichlorobenzene $\mu g/l$ 50.0 X 08/05/98 LMP	Naphthalene		50.0			*	LMP
$1,1,2,2$ -Tetrachloroethane $\mu$ g/l 50.0 X CSL 08/05/98 LMP Toluene $\mu$ g/l 50.0 576. 08/05/98 LMP 1,2,3-Trichlorobenzene $\mu$ g/l 50.0 X 08/05/98 LMP			50.0		CSL	08/05/98	$\mathtt{LMP}$
Toluene $\mu g/l$ 50.0 576. 08/05/98 LMP 1,2,3-Trichlorobenzene $\mu g/l$ 50.0 X 08/05/98 LMP							_
1,2,3-Trichlorobenzene $\mu$ g/l 50.0 X 08/05/98 LMP	1,1,2,2-Tetrachloroethane		50.0		CSL		LMP
1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Toluene		50.0	576.			LMP
1,2,4-Trichlorobenzene $\mu$ g/l 50.0 X 08/05/98 LMP			50.0			08/05/98	LMP
	1,2,4-Trichlorobenzene	$\mu$ g/l	50.0	X		08/05/98	LMP

Analytical No.:

45229

ESP/ Lampert Lee & Associates

10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLAND

SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98

PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	PZ-1 07/31/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021 1,1,1-Trichloroethane	μq/l	50.0	X		08/05/98	LMP
1,1,2-Trichloroethane	μg/1 μg/1	50.0	X		08/05/98	LMP
Trichloroethylene	$\mu g/1$	25.0	X	CSH	08/05/98	LMP
Trichlorofluoromethane	$\mu g/1$	50.0	X		08/05/98	LMP
1,2,4-Trimethylbenzene	$\mu g/1$	50.0	544.		08/05/98	LMP
1,3,5-Trimethylbenzene	$\mu g/1$	50.0	247.		08/05/98	LMP
Vinyl Chloride	$\mu g/1$	10.0	X		08/05/98	LMP
m- & p-Xylene	$\mu g/1$	50.0	1,670.		08/05/98	LMP
o-Xylene & Styrene	μg/l	50.0	686.		08/05/98	LMP
WI DNR						
Gasoline Range Organics	$\mu g/1$	1000.0	7,890.	G2	08/11/98	EPM
Analytical No.:			45229			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: SPIRITLAND SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98 PREPARED BY: EPM REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units_	ReportingLimit	TRIP BLANK-USF 07/31/98	<u>Qualifier</u> s	Date Analyzed	<u>B</u> y
EPA 8021_						
Benzene	$\mu g/1$	0.5	X		08/05/98	LMP
Bromobenzene	$\mu$ g/l	2.0	X		08/05/98	LMP
Bromodichloromethane	μg/l	1.0	X		08/05/98	LMP
n-Butylbenzene	$\mu g/1$	1.0	X		08/05/98	LMP
sec-Butylbenzene	μg/l	1.0	X		08/05/98	LMP
tert-Butylbenzene	$\mu g/1$	1.0	X	SPH	08/05/98	LMP
Carbon Tetrachloride	$\mu$ g/l	1.0	X		08/05/98	$\mathtt{LMP}$
Chlorobenzene	$\mu$ g/l	1.0	X		08/05/98	LMP
Chlorodibromomethane	$\mu g/1$	1.0	X		08/05/98	$\mathtt{LMP}$
Chloroethane	$\mu$ g/l	1.0	X		08/05/98	LMP
Chloroform	$\mu$ g/l	1.0	X		08/05/98	LMP
Chloromethane	$\mu$ g/l	2.0	X	CSL	08/05/98	$_{ m LMP}$
o-Chlorotoluene	$\mu g/1$	1.0	X		08/05/98	LMP
p-Chlorotoluene	$\mu g/1$	2.0	X		08/05/98	LMP
1,2-Dibromo-3-chloropropane	$\mu g/1$	1.0	X		08/05/98	LMP
1,2-Dibromoethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,2-Dichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,3-Dichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
Dichlorodifluoromethane	$\mu g/1$	2.0	X		08/05/98	LMP
1,1-Dichloroethane	$\mu g/1$	1.0	X		08/05/98	$\mathtt{LMP}$
1,2-Dichloroethane	$\mu g/1$	1.0	X		08/05/98	$\mathtt{LMP}$
1,1-Dichloroethylene	μg/l	1.0	X		08/05/98	LMP
cis-1,2-Dichloroethylene	$\mu g/1$	2.0	X		08/05/98	LMP
trans-1,2-Dichloroethylene	$\mu g/1$	1.0	X		08/05/98	LMP
1,2-Dichloropropane	$\mu g/1$	1.0	X		08/05/98	LMP
1,3-Dichloropropane	$\mu g/1$	1.0	X		08/05/98	LMP
2,2-Dichloropropane	μg/l	2.0	X	CSL	08/05/98	LMP
Ethylbenzene	$\mu g/1$	1.0	x		08/05/98	LMP
Hexachlorobutadiene	μg/l	1.0	X		08/05/98	LMP
Isopropylbenzene	μg/l	1.0	X		08/05/98	LMP
Isopropyl Ether	μg/l	1.0	X		08/05/98	LMP
p-Isopropyltoluene	μg/l	1.0	X	CSH	08/05/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	1.0	X		08/05/98	LMP
Methylene Chloride	$\mu g/1$	2.0	X		08/05/98	LMP
Naphthalene	$\mu g/1$	1.0	X		08/05/98	LMP
n-Propylbenzene	$\mu g/1$	1.0	X	CSL	08/05/98	LMP
Tetrachloroethylene	$\mu g/1$	1.0	X		08/05/98	LMP
1,1,2,2-Tetrachloroethane	$\mu g/1$	1.0	X	CSL	08/05/98	LMP
Toluene	$\mu g/1$	1.0	X		08/05/98	LMP
1,2,3-Trichlorobenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,2,4-Trichlorobenzene	μg/1 μg/1	1.0	X		08/05/98	LMP
1,1,1-Trichloroethane	μg/1 μg/1	1.0	X		08/05/98	LMP
1,1,2-Trichloroethane	$\mu g/1$	1.0	X		08/05/98	LMP
Trichloroethylene	$\mu g/1$	0.5	X	CSH	08/05/98	LMP
	~3/±	0.5	2.5	0011	00,00,00	T-1,11E.

Analytical No.:

45230



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: SPIRITLAND
SAMPLED BY: Client
DATE REC'D: 08/01/98
REPORT DATE: 08/11/98
PREPARED BY: EPM
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	<u>Units</u>	Reporting Limit	TRIP BLANK-USF 07/31/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021						
Trichlorofluoromethane	$\mu g/1$	1.0	X		08/05/98	LMP
1,2,4-Trimethylbenzene	$\mu g/1$	1.0	X		08/05/98	LMP
1,3,5-Trimethylbenzene	$\mu g/1$	1.0	X		08/05/98	LMP
Vinyl Chloride	$\mu g/1$	0.2	X		08/05/98	LMP
m- & p-Xylene	$\mu g/1$	1.0	X		08/05/98	LMP
o-Xylene & Styrene	μg/l	1.0	X		08/05/98	LMP
WI DNR	4					
Gasoline Range Organics	$\mu$ g/l	50.	X		08/06/98	EPM
Analytical No.:			45230			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: SPIRITLAND SAMPLED BY: Client DATE REC'D: 08/01/98 REPORT DATE: 08/11/98

PREPARED BY: EPM REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

#### Qualifier Descriptions

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.
DUP	Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low. Non-detects verified with a low standard comparison.
CSH	Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
G2	The chromatogram has characteristics of an aged gasoline sample.
SPH	Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.

#### EOUEST FOR SERVICES THE PROPERTY OF 301 W. MILITARY RD. ROTHSCHILD, WI 54474 1-800-338-SCAN U.S. FILTER/ENVIROSCAN **REPORT TO:** BILL TO: (if different from Report To info): Bob Mal t-Lee + HSSCCS Company: Law 221 Company: McDong Address: 10968 Address:\_ Phone: ( P.O. #\_ ANALYTICAL REQUESTS 6059-5 Project #\_ Quote # \_\_\_ (use separate sheet if necessary) Location Shirt **Turnaround Time** Sample Type (Check all that apply) Normal Rush (Pre-approved by Lab) Groundwater Wastewater Date Needed X-10 210757 Soil/Solid Approved By \_\_\_\_\_ □ Drinking Water Oil ☐ Vapor Other No. of Containers · LAB USE ONLY DATE TIME SAMPLE ID **REMARKS** COMP GRAB 16045223 MW-1 16045224, Mw-Z MW-3 16045225 MW-4 16045226 MW-5 16045227 Mw-6 16045228 PZ-16045229 Trip blank 16045230 Lampert McDona Del'v: Hand Comm. Ship. Cont. OK? (Y) N N/A CHAIN OF CUSTODY RECORD Samples leaking? Y N-N/A Seals OK? 2 N N/A SAMPLERS: (Signature) Rec'd on ice? / Comments: RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) 31/48 with I have RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

DATE/TIME

RELINQUISHED BY: (Signature)

RECEIVED FOR LABORATORY DATE/TIME

BY: (Signature) History 8-1-98 11:00



ENVIROSCAN SERVICES 301 WEST MILITARY ROAD ROTHSCHILD, WI 54474 TELEPHONE 715-359-7226 FACSIMILE 715-355-3221

November 2, 1998

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob McDonald

Re: 98-033

Please find enclosed the analytical results for the sample(s) received October 22, 1998.

The chain of custody document is enclosed.

If you have any questions about the results, please call. Thank you for using US Filter/Enviroscan for your analytical needs.

Sincerely,

US Filter/Enviroscan

Laurie M. Pietrowski Analytical Chemist

Lauri Cutionols



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 10/22/98 REPORT DATE: 11/02/98 REVIEWED BY: PREPARED BY: LMP

Attn: Janet Snedeker/ Bob McDonald

					δľ	
		Reporting	PZ-1		Date	
	Units	_ Limit	10/21/98	Qualifiers	Analyzed	Ву
EPA 239.2						
Lead (GFAAS)	$\mu g/1$	1.0	17.2		10/30/98	JCH
,	, 3,				, ,	
EPA 8021_						
Benzene	$\mu g/1$	10.0	X		10/29/98	EPM
Ethylbenzene	μg/l	20.0	487.		10/29/98	EPM
Methyl tert Butyl Ether	$\mu g/1$	20.0	X		10/29/98	EPM
Naphthalene	μg/l	20.0	135.		10/29/98	EPM
Toluene	μg/l	20.0	1,340.		10/29/98	EPM
1,2,4-Trimethylbenzene	μg/l	20.0	736.		10/29/98	EPM
1,3,5-Trimethylbenzene	μg/l	20.0	388.		10/29/98	EPM
m- & p-Xylene	$\mu g/1$	20.0	1,980.		10/29/98	EPM
o-Xylene & Styrene	μg/l	20.0	780.		10/29/98	EPM
1 1	, 5,				•	
WI DNR						
Gasoline Range Organics	μg/l	1000.0	11,400.	G2	10/29/98	EPM
	,					
Analytical No.:			52891			
•						
		Reporting	MW-1		Date	
	Units	Reporting Limit	MW-1 10/21/98	<u> Qualifier</u> s	Date Analyzed	<u>B</u> y
	Units			<u>Qualifier</u> s		Ву
EPA 239.2		Limit	10/21/98	<u>Qualifier</u> s	Analyzed	<u>_</u>
EPA 239.2 Lead (GFAAS)	Units  µg/l			<u>Qualifier</u> s		By JCH
Lead (GFAAS)		Limit	10/21/98	<u>Qualifier</u> s	Analyzed	<u>_</u>
	μg/l	Limit 1.0	<u>10/21/98</u> 7.53	<u>Qualifier</u> s	Analyzed 10/30/98	<u>_</u>
Lead (GFAAS)  EPA 8021  Benzene	μg/l μg/l	1.0 10.0	10/21/98 7.53 X	<u>Qualifier</u> s	Analyzed  10/30/98  10/29/98	JCH EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene	μg/l μg/l μg/l	1.0 10.0 20.0	10/21/98 7.53 X 297.	<u>Qualifier</u> s	Analyzed  10/30/98  10/29/98 10/29/98	JCH EPM EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether	μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0	10/21/98 7.53 X 297. X	<u>Qualifier</u> s	Analyzed  10/30/98  10/29/98 10/29/98 10/29/98	JCH EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene	μg/l μg/l μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0 20.0 20.0	10/21/98 7.53 X 297. X 124.	<u>Qualifier</u> s	Analyzed  10/30/98  10/29/98 10/29/98 10/29/98 10/29/98	JCH EPM EPM EPM EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene	μg/l μg/l μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0 20.0 20.0 20.0	7.53  X 297.  X 124. 2,060.	<u>Qualifier</u> s	10/30/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98	JCH EPM EPM EPM EPM EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0 20.0 20.0 20.0 20.0	7.53  X 297. X 124. 2,060. 799.	<u>Qualifier</u> s	Analyzed  10/30/98  10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98	JCH EPM EPM EPM EPM EPM EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0 20.0 20.0 20.0 20.0 2	7.53  X 297. X 124. 2,060. 799. 335.	<u>Qualifier</u> s	Analyzed  10/30/98  10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98	JCH EPM EPM EPM EPM EPM EPM EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m- & p-Xylene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0 20.0 20.0 20.0 20.0	7.53  X 297. X 124. 2,060. 799. 335. 2,800.	<u>Qualifier</u> s	Analyzed  10/30/98  10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98	JCH EPM EPM EPM EPM EPM EPM EPM EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0 20.0 20.0 20.0 20.0 2	7.53  X 297. X 124. 2,060. 799. 335.	<u>Qualifier</u> s	Analyzed  10/30/98  10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98	JCH EPM EPM EPM EPM EPM EPM EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m- & p-Xylene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0 20.0 20.0 20.0 20.0 2	7.53  X 297. X 124. 2,060. 799. 335. 2,800.	<u>Qualifier</u> s	Analyzed  10/30/98  10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98	JCH EPM EPM EPM EPM EPM EPM EPM EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m- & p-Xylene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0 20.0 20.0 20.0 20.0 2	7.53  X 297. X 124. 2,060. 799. 335. 2,800. 1,320.		Analyzed  10/30/98  10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98	JCH EPM EPM EPM EPM EPM EPM EPM EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0 20.0 20.0 20.0 20.0 2	7.53  X 297. X 124. 2,060. 799. 335. 2,800.	Qualifiers	Analyzed  10/30/98  10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98	JCH EPM EPM EPM EPM EPM EPM EPM EPM
Lead (GFAAS)  EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m- & p-Xylene o-Xylene & Styrene  WI DNR	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 10.0 20.0 20.0 20.0 20.0 20.0 20.0 2	7.53  X 297. X 124. 2,060. 799. 335. 2,800. 1,320.		Analyzed  10/30/98  10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98	JCH EPM EPM EPM EPM EPM EPM EPM EPM EPM

X = Analyzed but not detected.

Analytical No.:

52892



ESP/ Lampert Lee & Associates

10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 10/22/98 REPORT DATE: 11/02/98 PREPARED BY: LMP

REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

Attn: Janet Snedeker/ Bob	Mcdonard				Hor	
	Units	Reporting Limit	MW-2 10/21/98	<u>Qualifier</u> s	Date Analyzed	<u>B</u> y
EPA 239.2 Lead (GFAAS)	μg/l	1.0	69.7		10/30/98	JCH
EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	10.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	X 623. X 157. 1,190. 1,210. 911. 2,340. 825.		10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98 10/29/98	EPM EPM EPM EPM EPM EPM EPM EPM
WI DNR Gasoline Range Organics	μg/l	1000.0	18,300.	G2	10/29/98	EPM
Analytical No.:			52893			
	Units	Reporting Limit	MW-3 10/21/98	<u>Qualifier</u> s	Date Analyzed	<u>B</u> y
EPA 239.2 Lead (GFAAS)	μg/l	1.0	4.78		10/30/98	JCH
EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	0.5 1.0 1.0 1.0 1.0 1.0	X X X X X X X X		10/28/98 10/28/98 10/28/98 10/28/98 10/28/98 10/28/98 10/28/98 10/28/98	EPM EPM EPM EPM EPM EPM EPM EPM
<u>WI DNR</u> Gasoline Range Organics	μg/l	50.	х		10/28/98	EPM
Analytical No.:			52894			



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 10/22/98 REPORT DATE: 11/02/98

PREPARED BY: LMP REVIEWED BY:

Attn: Janet Snedeker/ Bob McDonald

					<i>p</i> '	
		Reporting	MW-4		Date	
	<u>Units</u>	<u>Limit</u>	10/21/98	<u>Qualifier</u> s	Analyzed	<u>B</u> y
HD3 220 2						
EPA 239.2 Lead (GFAAS)	μg/l	1.0	1.59		10/30/98	JCH
	, 5.					
EPA 8021_						
Benzene	$\mu g/1$	0.5	X		10/28/98	EPM
Ethylbenzene	$\mu g/1$	1.0	X		10/28/98	EPM
Methyl tert Butyl Ether	$\mu g/l$	1.0	X		10/28/98	EPM
Naphthalene	μg/l	1.0	X		10/28/98	EPM
Toluene	$\mu g/1$	1.0	X		10/28/98	EPM
1,2,4-Trimethylbenzene	$\mu g/1$	1.0	X		10/28/98	EPM
1,3,5-Trimethylbenzene	$\mu g/1$	1.0	X		10/28/98	EPM
m- & p-Xylene	$\mu g/1$	1.0	X		10/28/98	EPM
o-Xylene & Styrene	$\mu g/1$	1.0	Х		10/28/98	EPM
WI DNR						
Gasoline Range Organics	$\mu g/1$	50.	X		10/28/98	EPM
Analytical No.:			52895			
mar, crear no			22033			
		Dan antida	NATA C		D-1-	

	Units	Reporting <u>Limit</u>	MW-5 10/21/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 239.2 Lead (GFAAS)	μg/l	1.0	2.07		10/30/98	JCH
EPA 8021  Benzene Ethylbenzene Methyl tert Butyl Ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	0.5 1.0 1.0 1.0 1.0 1.0	X X X X X X X X		10/28/98 10/28/98 10/28/98 10/28/98 10/28/98 10/28/98 10/28/98 10/28/98	EPM EPM EPM EPM EPM EPM EPM EPM
WI DNR Gasoline Range Organics Analytical No.:	μg/l	50.	X 52896		10/28/98	EPM



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033 SAMPLED BY: Client DATE REC'D: 10/22/98 REPORT DATE: 11/02/98

PREPARED BY: LMP REVIEWED BY: \n

Attn: Janet Snedeker/ Bob McDonald

	Units	Reporting <u>Limit</u>	MW-6 10/21/98	Qualifiers	Date Analyzed	Ву
EPA 239.2	/3	1.0	8.91		10/30/98	JCH
Lead (GFAAS)	$\mu g/1$	1.0	0.91		10/30/98	UCH
EPA 8021_						
Benzene	μg/l	0.5	X		10/28/98	EPM
Ethylbenzene	μg/l	1.0	X		10/28/98	EPM
Methyl tert Butyl Ether	μg/l	1.0	X		10/28/98	EPM
Naphthalene	μg/l	1.0	X		10/28/98	EPM
Toluene	$\mu g/1$	1.0	X		10/28/98	EPM
1,2,4-Trimethylbenzene	$\mu g/1$	1.0	X		10/28/98	EPM
1,3,5-Trimethylbenzene	$\mu g/1$	1.0	X		10/28/98	EPM
m- & p-Xylene	$\mu g/1$	1.0	X		10/28/98	EPM
o-Xylene & Styrene	$\mu g/1$	1.0	X		10/28/98	EPM
WI_DNR						
Gasoline Range Organics	$\mu$ g/l	50.	X		10/28/98	EPM
Analytical No.:			52897			

	Units	Reporting Limit	TRIP BLANK-USF 	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021						
Benzene	$\mu g/1$	0.5	X		10/28/98	EPM
Ethylbenzene	$\mu g/1$	1.0	X		10/28/98	EPM
Methyl tert Butyl Ether	$\mu g/1$	1.0	X		10/28/98	EPM
Naphthalene	$\mu g/1$	1.0	X		10/28/98	EPM
Toluene	μg/l	1.0	X		10/28/98	EPM
1,2,4-Trimethylbenzene	μg/l	1.0	X		10/28/98	EPM
1,3,5-Trimethylbenzene	$\mu g/l$	1.0	X		10/28/98	EPM
m- & p-Xylene	μg/l	1.0	X		10/28/98	EPM
o-Xylene & Styrene	$\mu$ g/l	1.0	X		10/28/98	EPM
WI DNR						
Gasoline Range Organics	$\mu g/l$	50.	X		10/28/98	EPM
Analytical No.:			52898			



ESP/ Lampert Lee & Associates

10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: 98-033
SAMPLED BY: Client
DATE REC'D: 10/22/98
REPORT DATE: 11/02/98
PREPARED BY: LMP

REVIEWED BY: LM

XXX

Attn: Janet Snedeker/ Bob McDonald

Qualifier Descriptions

G2 The chromatogram has characteristics of an aged gasoline sample.

#### 1.04.1.12.12.1.1.1.1.1.1.1 CONTRACTOR MARKETONE **自生差**多 LA AR E 等于的 MILL **FE 1991** MARKETTAL INCHES 1000000 REOUEST FOR SER 1123 · 12 (8) 12000 KATSKE WAR. Essis Lossical Pray. PERM edward beinger **LEVEL** Later transferred Make S DETEN U.S. FILTER/ENVIROSCAN 301 W. MILITARY RD. ROTHSCHILD, WI 54474 1-800-338-SCAN REPORT TO: Janet BILL TO: (if different from Report To info): Name: Bob Mc Dowald Company: Lampert - Lee Address: 10968 HWY 54 Company: Mc Donald Law Office Address:\_ Rapids Wisconsin Phone: (715 Phone: ( P.O. #\_ ANALYTICAL REQUESTS Project # 98-033 Quote # 6059 (use separate sheet if necessary) Location Spiritland **Turnaround Time** Sample Type (Check all that apply) Normal N Rush (Pre-approved by Lab) **M** Groundwater Wastewater Date Needed \_\_\_ Soil/Solid Drinking Water Approved By \_\_\_\_\_ □ Oil Vapor Other No. of Containers LAB USE ONLY DATE TIME SAMPLE ID **REMARKS** COMP GRAB 13052891 10/21/48 3 P7-1 3 13052892 MW-1 13052893 MW-7 MW-3 13052894 $\overline{\mathcal{Z}}$ MW-4 **13**052895 13052896 Mw-5 3 13052897 Mw-6 13052898 2 Trip blant Mr. Dona Lamwi3 Del'v: Hand Comm. Ship, Cont. OK? N N/A CHAIN OF CUSTODY RECORD Samples leaking? Y AND N/A Seals OK? AN NA SAMPLERS: (Signature) YN N/A\_C Rec'd on ice? Comments: MELINQUISHED BY: //Signature) DATE/TIME RECEIVED BY: (Signature) 10/21/98 DATE/TIME RELINQUIS⊮ÉD BY: *(Signature)* RECEIVED BY: (Signature) RELINQUISHED BY: (Signature) DATE/TIME RECEIVED FOR LABORATORY DATE/TIME

BY') (Signafore)

U.S. FILTER/ENVIROSCAN 301 WEST MILITARY ROAD ROTHSCHILD, WI 54474 TELEPHONE 715-359-7226 FACSIMILE 715-355-3221

June 4, 1998

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

Re: SPIRITLANDST

Please find enclosed the analytical results for the sample(s) received May 21, 1998.

The chain of custody document is enclosed.

If you have any questions about the results, please call. Thank you for using US Filter/Enviroscan for your analytical needs.

Sincerely,

US Filter/Enviroscan

James R. Salkowski

General Manager

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client
DATE REC'D: 05/21/98
REPORT DATE: 06/04/98

PREPARED BY: JRS

REVIEWED BY:

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Attn: Janet Snedeker/ Bob Mcdonald

					/	
	Units	Reporting <u>Limit</u>	SB9 <u>05/21/98</u>	<u> </u>	Date Analyzed	<u>_В</u> у
EDA 7421						
<u>EPA 7421</u> Lead (GFAAS)	ua /1	1 0	E0 0		05/00/00	
Lead (GPAAS)	$\mu$ g/l	1.0	50.0		06/02/98	JCH
EPA 8021A						
Benzene	$\mu g/1$	0.5	Х		05/28/98	LMP
Bromobenzene	μg/l	2.0	X		05/28/98	LMP
Bromodichloromethane	$\mu g/1$	1.0	X		05/28/98	LMP
n-Butylbenzene	$\mu g/1$	1.0	3.16		05/28/98	LMP
sec-Butylbenzene	$\mu g/1$	1.0	X		05/28/98	LMP
tert-Butylbenzene	μg/l	1.0	X		05/28/98	LMP
Carbon Tetrachloride	μg/l	1.0	X	DUP	05/28/98	LMP
Chlorobenzene	μg/l	1.0	X	DUP	05/28/98	LMP
Chlorodibromomethane	μg/1	1.0	X		05/28/98	LMP
Chloroethane	μg/1	1.0	X	CSH	05/28/98	LMP
Chloroform	μg/l	1.0	X		05/28/98	LMP
Chloromethane	$\mu g/1$	2.0	X	CSH	05/28/98	LMP
o-Chlorotoluene	$\mu g/1$	1.0	X		05/28/98	LMP
p-Chlorotoluene	μg/1	2.0	X		05/28/98	LMP
1,2-Dibromo-3-chloropropa		1.0	X		05/28/98	LMP
1,2-Dibromoethane	μg/l	1.0	X		05/28/98	LMP
1,2-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
1,3-Dichlorobenzene	μg/1	1.0	X		05/28/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
Dichlorodifluoromethane	$\mu g/1$	2.0	X		05/28/98	LMP
1,1-Dichloroethane	$\mu g/1$	1.0	X		05/28/98	LMP
1,2-Dichloroethane	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
1,1-Dichloroethylene	$\mu g/1$	1.0	X		05/28/98	LMP
cis-1,2-Dichloroethylene	$\mu g/1$	2.0	X		05/28/98	LMP
trans-1,2-Dichloroethylen	$e \mu g/1$	1.0	X	DUP	05/28/98	LMP
1,2-Dichloropropane	$\mu g/1$	1.0	X		05/28/98	LMP
1,3-Dichloropropane	$\mu g/1$	1.0	X		05/28/98	LMP
2,2-Dichloropropane	$\mu g/1$	2.0	X	CSH	05/28/98	LMP
Ethylbenzene	$\mu$ g/l	1.0	1.90	DUP	05/28/98	LMP
Hexachlorobutadiene	$\mu g/1$	1.0	X		05/28/98	LMP
Isopropylbenzene	$\mu$ g/l	1.0	X	DUP	05/28/98	LMP
Isopropyl Ether	$\mu$ g/l	1.0	X	DUP	05/28/98	LMP
p-Isopropyltoluene	$\mu g/1$	1.0	X		05/28/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	1.0	X		05/28/98	LMP
Methylene Chloride	μg/l	2.0	X		05/28/98	LMP
Naphthalene	$\mu g/1$	1.0	13.2		05/28/98	LMP
n-Propylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Tetrachloroethylene	$\mu$ g/l	1.0	X		05/28/98	LMP
1,1,2,2-Tetrachloroethane		1.0	X	CSH	05/28/98	LMP
Toluene	$\mu g/1$	1.0	X		05/28/98	LMP
1,2,3-Trichlorobenzene	$\mu$ g/l	1.0	X		05/28/98	LMP
1,2,4-Trichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP

Analytical No.:

37519

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494 CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED BY: JRS REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting <u>Limit</u>	SB9 05/21/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021A  1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene Trichlorofluoromethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride m- & p-Xylene o-Xylene & Styrene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	1.0 1.0 0.5 1.0 1.0 0.2 1.0	X X X X 4.54 13.7 X 4.03 X	DUP DUP CSH DUP	05/28/98 05/28/98 05/28/98 05/28/98 05/28/98 05/28/98 05/28/98 05/28/98	LMP LMP LMP LMP LMP LMP LMP
WI DNR Gasoline Range Organics Analytical No.:	μg/l	50.0	631. 37519	G3 G6	05/27/98	EPM

X = Analyzed but not detected.

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED BY: JRS REVIEWED BY: W

		Reporting	SB10		Date	
	Units	Limit	05/21/98	_Qualifiers	Analyzed	By
-						
EPA 7421						
Lead (GFAAS)	$\mu$ g/l	1.0	87.1		06/02/98	JCH
EPA 8021A	/-		77		05/00/00	T 1/D
Benzene	$\mu g/1$	0.5	X X		05/28/98	LMP
Bromobenzene	$\mu g/1$	2.0	X		05/28/98 05/28/98	LMP LMP
Bromodichloromethane	$\mu g/1$	1.0	X			LMP
n-Butylbenzene	μg/l	1.0	X		05/28/98 05/28/98	LMP
sec-Butylbenzene	μg/l	1.0 1.0	X		05/28/98	LMP
tert-Butylbenzene	μg/1	1.0	X	DUP	05/28/98	LMP
Carbon Tetrachloride	μg/l	1.0	X	DUP	05/28/98	LMP
Chlorobenzene	μg/l "~/l	1.0	X	DOF	05/28/98	LMP
Chlorodibromomethane	$\mu g/1$	1.0	X	CSH	05/28/98	LMP
Chloroethane	μg/l	1.0	X	CDII	05/28/98	LMP
Chloroform	μg/l	2.0	X	CSH	05/28/98	LMP
Chloromethane	μg/l	1.0	X	CDII	05/28/98	LMP
o-Chlorotoluene	μg/l	2.0	X		05/28/98	LMP
p-Chlorotoluene	μg/l	1.0	X		05/28/98	LMP
1,2-Dibromo-3-chloropropar	$\mu g/1$	1.0	X		05/28/98	LMP
1,2-Dibromoethane	$\mu g/1$	1.0	X		05/28/98	LMP
1,2-Dichlorobenzene	μg/l	1.0	X		05/28/98	LMP
1,3-Dichlorobenzene	μg/l μg/l	1.0	X		05/28/98	LMP
1,4-Dichlorobenzene Dichlorodifluoromethane	μg/1 μg/l	2.0	X		05/28/98	LMP
	$\mu g/1$	1.0	X		05/28/98	LMP
1,1-Dichloroethane 1,2-Dichloroethane	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
1,1-Dichloroethylene	$\mu g/1$	1.0	X		05/28/98	LMP
cis-1,2-Dichloroethylene	$\mu g/1$	2.0	X		05/28/98	LMP
trans-1,2-Dichloroethylene		1.0	X	DUP	05/28/98	LMP
1,2-Dichloropropane	$\mu g/1$	1.0	X		05/28/98	LMP
1,3-Dichloropropane	$\mu g/1$	1.0	X		05/28/98	LMP
2,2-Dichloropropane	$\mu g/1$	2.0	X	CSH	05/28/98	LMP
Ethylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Hexachlorobutadiene	$\mu g/1$	1.0	X		05/28/98	LMP
Isopropylbenzene	μg/l	1.0	X	DUP	05/28/98	LMP
Isopropyl Ether	μg/l	1.0	X	DUP	05/28/98	LMP
p-Isopropyltoluene	μg/l	1.0	X		05/28/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	1.0	X		05/28/98	LMP
Methylene Chloride	$\mu g/1$	2.0	X		05/28/98	LMP
Naphthalene	μg/l	1.0	X		05/28/98	LMP
n-Propylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Tetrachloroethylene	μg/l	1.0	X		05/28/98	LMP
1,1,2,2-Tetrachloroethane	μg/l	1.0	X	CSH	05/28/98	LMP
Toluene	μg/l	1.0	X		05/28/98	LMP
1,2,3-Trichlorobenzene	μg/l	1.0	X		05/28/98	LMP
1,2,4-Trichlorobenzene	μg/l	1.0	X		05/28/98	LMP
•						
Analytical No.:			37520			

# **J.S.FILTEF**

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED BY: JRS

REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting <u>Limit</u>	SB10 05/21/98	<u>Oualifier</u> s	Date Analyzed	<u>B</u> y
EPA 8021A 1,1,1-Trichloroethane	μg/l	1.0	х		05/28/98	LMP
1,1,2-Trichloroethane	$\mu g/1$	1.0	X		05/28/98	LMP
Trichloroethylene	μg/l	0.5	X X		05/28/98 05/28/98	LMP LMP
Trichlorofluoromethane 1,2,4-Trimethylbenzene	μg/l μg/l	1.0 1.0	X	DUP	05/28/98	LMP
1,3,5-Trimethylbenzene	μg/1 μg/1	1.0	X	DUP	05/28/98	LMP
Vinyl Chloride	μg/l	0.2	X	CSH	05/28/98	LMP
m- & p-Xylene	$\mu g/1$	1.0	X		05/28/98	LMP
o-Xylene & Styrene	$\mu$ g/l	1.0	X	DUP	05/28/98	LMP
WI DNR						
Gasoline Range Organics	$\mu g/1$	50.0	187.	G3 G6	05/27/98	EPM
Analytical No.:			37520			

# **I.S.FILTE**

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED BY: JRS REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	TT- ' 1	Reporting	SB11		Date	
_	Units	<u>Limit</u>	05/21/98	<u>Qualifier</u> s	Analyzed	<u>B</u> y
EPA 7421_						
Lead (GFAAS)	$\mu$ g/l	1.0	х		06/02/98	JCH
2000 (011210)	r3/-	2.0			00/02/50	OCII
EPA 8021A						
Benzene	$\mu$ g/l	0.5	X		05/28/98	LMP
Bromobenzene	μg/l	2.0	X		05/28/98	LMP
Bromodichloromethane	$\mu g/1$	1.0	X		05/28/98	LMP
n-Butylbenzene	$\mu g/1$	1.0	X		05/28/98	LMP
sec-Butylbenzene	$\mu g/1$	1.0	X		05/28/98	LMP
tert-Butylbenzene	$\mu g/1$	1.0	X		05/28/98	$_{ m LMP}$
Carbon Tetrachloride	$\mu g/1$	1.0	X	DUP	05/28/98	$\mathtt{LMP}$
Chlorobenzene	$\mu g/1$	1.0	X	DUP	05/28/98	$\mathtt{LMP}$
Chlorodibromomethane	$\mu g/1$	1.0	X		05/28/98	LMP
Chloroethane	$\mu g/1$	1.0	X	CSH	05/28/98	LMP
Chloroform	$\mu g/1$	1.0	X		05/28/98	LMP
Chloromethane	$\mu g/1$	2.0	X	CSH	05/28/98	LMP
o-Chlorotoluene	$\mu g/1$	1.0	X		05/28/98	LMP
p-Chlorotoluene	$\mu g/1$	2.0	X		05/28/98	$_{ m LMP}$
1,2-Dibromo-3-chloropropan	$e \mu g/1$	1.0	X		05/28/98	$_{ m LMP}$
1,2-Dibromoethane	$\mu g/1$	1.0	X		05/28/98	LMP
1,2-Dichlorobenzene	μg/l	1.0	X		05/28/98	LMP
1,3-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
Dichlorodifluoromethane	$\mu g/1$	2.0	X		05/28/98	LMP
1,1-Dichloroethane	$\mu g/l$	1.0	X		05/28/98	LMP
1,2-Dichloroethane	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
1,1-Dichloroethylene	$\mu g/1$	1.0	X		05/28/98	$_{ m LMP}$
cis-1,2-Dichloroethylene	$\mu g/1$	2.0	X		05/28/98	LMP
trans-1,2-Dichloroethylene		1.0	X	DUP	05/28/98	LMP
1,2-Dichloropropane	$\mu g/1$	1.0	X		05/28/98	LMP
1,3-Dichloropropane	μg/l	1.0	X		05/28/98	LMP
2,2-Dichloropropane	$\mu g/1$	2.0	X	CSH	05/28/98	LMP
Ethylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Hexachlorobutadiene	$\mu g/1$	1.0	X		05/28/98	LMP
Isopropylbenzene	μg/l	1.0	X	DUP	05/28/98	$_{ m LMP}$
Isopropyl Ether	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
p-Isopropyltoluene	$\mu g/1$	1.0	X		05/28/98	$\mathtt{LMP}$
Methyl tert Butyl Ether	$\mu g/l$	1.0	X		05/28/98	$\mathtt{LMP}$
Methylene Chloride	$\mu g/1$	2.0	X		05/28/98	LMP
Naphthalene	$\mu g/1$	1.0	X		05/28/98	LMP
n-Propylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Tetrachloroethylene	$\mu g/1$	1.0	X		05/28/98	$_{ m LMP}$
1,1,2,2-Tetrachloroethane	$\mu g/1$	1.0	X	CSH	05/28/98	LMP
Toluene	$\mu g/l$	1.0	X		05/28/98	LMP
1,2,3-Trichlorobenzene	$\mu g/l$	1.0	X		05/28/98	LMP
1,2,4-Trichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP

Analytical No.:

37521

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED BY: JRS
REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting <u>Limit</u>	SB11 05/21/98	<u> Oualifier</u> s	Date Analyzed	Ву
EPA 8021A						
1,1,1-Trichloroethane	$\mu g/1$	1.0	X		05/28/98	LMP
1,1,2-Trichloroethane	$\mu g/1$	1.0	X		05/28/98	LMP
Trichloroethylene	$\mu g/1$	0.5	X		05/28/98	LMP
Trichlorofluoromethane	$\mu g/1$	1.0	X		05/28/98	LMP
1,2,4-Trimethylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
1,3,5-Trimethylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Vinyl Chloride	$\mu g/1$	0.2	X	CSH	05/28/98	LMP
m- & p-Xylene	$\mu g/1$	1.0	X		05/28/98	$\mathtt{LMP}$
o-Xylene & Styrene	$\mu$ g/l	1.0	X	DUP	05/28/98	LMP
WI DNR						
Gasoline Range Organics	μg/l	50.	Х		05/27/98	EPM
Analytical No.:			37521			

# **I.S.FILTER**

ESP/ Lampert Lee & Associates

10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED BY: JRS REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB12 05/21/98	Qualifiers	Date Analyzed	By
EPA 7421						
Lead (GFAAS)	$\mu$ g/l	1.0	27.2		06/02/98	JCH
WD3 00013						
EPA 8021A Benzene	ua /1	0.5	x		05/28/98	LMP
Bromobenzene	μg/l μg/l	2.0	X		05/28/98	LMP
Bromodichloromethane	μg/1 μg/l	1.0	X		05/28/98	LMP
n-Butylbenzene	$\mu g/1$ $\mu g/1$	1.0	X		05/28/98	LMP
sec-Butylbenzene	μg/1 μg/1	1.0	X		05/28/98	LMP
tert-Butylbenzene	μg/1 μg/l	1.0	X		05/28/98	LMP
		1.0	X	DUP	05/28/98	LMP
Carbon Tetrachloride	μg/l	1.0	X	DUP	05/28/98	LMP
Chlorobenzene	μg/l		X	DOP	05/28/98	LMP
Chlorodibromomethane	$\mu g/1$	1.0	X	CSH	05/28/98	LMP
Chloroethane	μg/l	1.0	X	Con	05/28/98	LMP
Chloroform	$\mu g/1$	1.0	X	CSH	05/28/98	LMP
Chloromethane	$\mu g/1$	2.0	X	CSn		LMP
o-Chlorotoluene	$\mu g/1$	1.0	X X		05/28/98	LMP
p-Chlorotoluene	$\mu g/1$	2.0			05/28/98	LMP
1,2-Dibromo-3-chloropropa	ne $\mu g/I$	1.0	X		05/28/98	
1,2-Dibromoethane	$\mu g/1$	1.0	X		05/28/98	LMP
1,2-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
1,3-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
Dichlorodifluoromethane	$\mu g/1$	2.0	X		05/28/98	LMP
1,1-Dichloroethane	$\mu g/1$	1.0	X		05/28/98	LMP
1,2-Dichloroethane	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
1,1-Dichloroethylene	$\mu$ g/l	1.0	X		05/28/98	LMP
cis-1,2-Dichloroethylene	$\mu$ g/l	2.0	X		05/28/98	LMP
trans-1,2-Dichloroethylen	$e \mu g/1$	1.0	X	DUP	05/28/98	LMP
1,2-Dichloropropane	$\mu g/1$	1.0	X		05/28/98	LMP
1,3-Dichloropropane	$\mu g/1$	1.0	X		05/28/98	LMP
2,2-Dichloropropane	$\mu g/1$	2.0	X	CSH	05/28/98	LMP
Ethylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Hexachlorobutadiene	$\mu g/1$	1.0	X		05/28/98	$_{ m LMP}$
Isopropylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	$\mathtt{LMP}$
Isopropyl Ether	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
p-Isopropyltoluene	$\mu g/1$	1.0	X		05/28/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	1.0	X		05/28/98	$\mathtt{LMP}$
Methylene Chloride	$\mu g/1$	2.0	X		05/28/98	LMP
Naphthalene	$\mu g/1$	1.0	2.10		05/28/98	LMP
n-Propylbenzene	μg/l	1.0	X	DUP	05/28/98	LMP
Tetrachloroethylene	$\mu g/1$	1.0	X		05/28/98	LMP
1,1,2,2-Tetrachloroethane		1.0	X	CSH	05/28/98	LMP
Toluene	μg/l	1.0	1.53		05/28/98	LMP
1,2,3-Trichlorobenzene	μg/l	1.0	X		05/28/98	LMP
1,2,4-Trichlorobenzene	μg/1	1.0	X		05/28/98	LMP
_,_,	r-31	— · ·			-,,	

Analytical No.:

37522

# **J.S.**FILTER

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED PREVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	SB12 05/21/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021A	/7	7 0	v	·	05/00/00	TMD
1,1,1-Trichloroethane	μg/l	1.0 1.0	X X		05/28/98 05/28/98	LMP LMP
1,1,2-Trichloroethane	μg/l	0.5	X		05/28/98	LMP
Trichloroethylene Trichlorofluoromethane	μg/l μg/l	1.0	X		05/28/98	LMP
		1.0	6.06	DUP	05/28/98	LMP
1,2,4-Trimethylbenzene	μg/l	1.0	3.57	DUP	05/28/98	LMP
1,3,5-Trimethylbenzene	$\mu g/1$		X X	CSH	05/28/98	LMP
Vinyl Chloride	$\mu g/1$	0.2		Con	05/28/98	LMP
m- & p-Xylene	$\mu g/1$	1.0	9.85			
o-Xylene & Styrene	$\mu$ g/l	1.0	1.73	DUP	05/28/98	LMP
WI DNR						
Gasoline Range Organics	$\mu$ g/l	50.0	145.	G2 G5	05/27/98	EPM
Analytical No.:			37522			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED BY: JRS REVIEWED BY:

		Reporting	SB13		Date	
	Units	Limit	05/21/98	Qualifiers	Analyzed	<u>B</u> y
_						
EPA 7421						
Lead (GFAAS)	μg/l	1.0	X	S1L S2L D	UP06/02/98	JCH
EPA 8021A	/=					
Benzene	μg/l	0.5	X		05/28/98	LMP
Bromobenzene	μg/l	2.0	X		05/28/98	LMP
Bromodichloromethane	$\mu g/1$	1.0	X		05/28/98	LMP
n-Butylbenzene	$\mu g/1$	1.0	X		05/28/98	LMP
sec-Butylbenzene	μg/l	1.0	X		05/28/98	LMP
tert-Butylbenzene	$\mu g/1$	1.0	X		05/28/98	LMP
Carbon Tetrachloride	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Chlorobenzene	μg/l	1.0	X	DUP	05/28/98	LMP
Chlorodibromomethane	$\mu$ g/l	1.0	X		05/28/98	LMP
Chloroethane	$\mu g/1$	1.0	X	CSH	05/28/98	LMP
Chloroform	$\mu g/1$	1.0	X		05/28/98	LMP
Chloromethane	$\mu g/l$	2.0	X	CSH	05/28/98	LMP
o-Chlorotoluene	$\mu g/1$	1.0	X		05/28/98	LMP
p-Chlorotoluene	$\mu g/1$	2.0	X		05/28/98	LMP
1,2-Dibromo-3-chloropropan	$1e \mu g/1$	1.0	X		05/28/98	LMP
1,2-Dibromoethane	$\mu \mathtt{g}/\mathtt{l}$	1.0	X		05/28/98	LMP
1,2-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
1,3-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
Dichlorodifluoromethane	$\mu g/1$	2.0	X		05/28/98	LMP
1,1-Dichloroethane	$\mu g/1$	1.0	X		05/28/98	LMP
1,2-Dichloroethane	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
1,1-Dichloroethylene	μg/l	1.0	X		05/28/98	LMP
cis-1,2-Dichloroethylene	$\mu$ g/l	2.0	X		05/28/98	$\mathtt{LMP}$
trans-1,2-Dichloroethylene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
1,2-Dichloropropane	$\mu g/1$	1.0	X		05/28/98	LMP
1,3-Dichloropropane	$\mu g/1$	1.0	X		05/28/98	LMP
2,2-Dichloropropane	μg/l	2.0	X	CSH	05/28/98	$\mathtt{LMP}$
Ethylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Hexachlorobutadiene	$\mu g/1$	1.0	X		05/28/98	$_{ m LMP}$
Isopropylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Isopropyl Ether	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
p-Isopropyltoluene	$\mu g/1$	1.0	X		05/28/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	1.0	X		05/28/98	LMP
Methylene Chloride	μg/l	2.0	X		05/28/98	LMP
Naphthalene	$\mu g/1$	1.0	X		05/28/98	LMP
n-Propylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Tetrachloroethylene	$\mu g/1$	1.0	X		05/28/98	LMP
1,1,2,2-Tetrachloroethane	$\mu g/1$	1.0	X	CSH	05/28/98	LMP
Toluene	$\mu g/1$	1.0	X		05/28/98	LMP
1,2,3-Trichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
1,2,4-Trichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP

Analytical No.:

37523

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED BY: JRS

REVIEWED BY: JRS

Attn:	Janet	Snedeker	/ Bob	Mcdonald
ACC11.	Jane	DILCUCALCE		11CACTIOT A

	Units	Reporting Limit	SB13 _05/21/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021A 1,1,1-Trichloroethane	ua /1	1.0	х		05/28/98	LMP
1,1,2-Trichloroethane	μg/l μg/l	1.0	X		05/28/98	LMP
Trichloroethylene	μg/l	0.5	X		05/28/98	LMP
Trichlorofluoromethane	$\mu$ g/l	1.0	X		05/28/98	LMP
1,2,4-Trimethylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
1,3,5-Trimethylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Vinyl Chloride	$\mu g/1$	0.2	X	CSH	05/28/98	LMP
m- & p-Xylene	$\mu g/1$	1.0	1.12		05/28/98	LMP
o-Xylene & Styrene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
WI DNR						
Gasoline Range Organics	$\mu$ g/l	50.	Х		05/27/98	EPM
Analytical No.:			37523			

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED BY: JRS REVIEWED BY: \n/

		Reporting	TRIP BLANK-USF		Date	
	Units	Limit	05/21/98	Qualifiers	Analyzed	By
-						
EPA 8021A						
Benzene	$\mu g/1$	0.5	X		05/28/98	LMP
Bromobenzene	μg/l	2.0	X		05/28/98	LMP
Bromodichloromethane	μg/l	1.0	X		05/28/98	LMP
n-Butylbenzene	μg/l	1.0	x		05/28/98	LMP
sec-Butylbenzene	μg/1	1.0	X		05/28/98	LMP
tert-Butylbenzene	$\mu g/1$	1.0	X		05/28/98	LMP
Carbon Tetrachloride	μg/l	1.0	x	DUP	05/28/98	LMP
Chlorobenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Chlorodibromomethane	$\mu g/1$	1.0	X		05/28/98	LMP
Chloroethane	μg/l	1.0	X	CSH	05/28/98	LMP
Chloroform	$\mu g/1$	1.0	X		05/28/98	LMP
Chloromethane	$\mu g/1$	2.0	X	CSH	05/28/98	LMP
o-Chlorotoluene	$\mu g/1$	1.0	X		05/28/98	LMP
p-Chlorotoluene	μg/l	2.0	X		05/28/98	LMP
1,2-Dibromo-3-chloropropane		1.0	X		05/28/98	LMP
1,2-Dibromoethane	μg/l	1.0	X		05/28/98	LMP
1,2-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
1,3-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
1,4-Dichlorobenzene	$\mu g/1$	1.0	X		05/28/98	LMP
Dichlorodifluoromethane	$\mu g/1$	2.0	X		05/28/98	LMP
1,1-Dichloroethane	μg/l	1.0	X		05/28/98	LMP
1,2-Dichloroethane	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
1,1-Dichloroethylene	$\mu g/1$	1.0	X		05/28/98	LMP
cis-1,2-Dichloroethylene	$\mu g/1$	2.0	X		05/28/98	LMP
trans-1,2-Dichloroethylene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
1,2-Dichloropropane	$\mu g/1$	1.0	X		05/28/98	LMP
1,3-Dichloropropane	μg/l	1.0	X		05/28/98	LMP
2,2-Dichloropropane	$\mu g/1$	2.0	X	CSH	05/28/98	LMP
Ethylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Hexachlorobutadiene	$\mu g/1$	1.0	X		05/28/98	LMP
Isopropylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Isopropyl Ether	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
p-Isopropyltoluene	$\mu g/1$	1.0	X		05/28/98	LMP
Methyl tert Butyl Ether	$\mu g/1$	1.0	X		05/28/98	LMP
Methylene Chloride	$\mu g/1$	2.0	X		05/28/98	LMP
Naphthalene	$\mu g/1$	1.0	X		05/28/98	LMP
n-Propylbenzene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
Tetrachloroethylene	μg/1	1.0	X	201	05/28/98	LMP
1,1,2,2-Tetrachloroethane	μg/l	1.0	X	CSH	05/28/98	LMP
Toluene	$\mu g/1$	1.0	X	CDII	05/28/98	LMP
1,2,3-Trichlorobenzene	μg/1 μg/l	1.0	X		05/28/98	LMP
· · ·	μg/1 μg/l	1.0	X		05/28/98	LMP
1,2,4-Trichlorobenzene		1.0	X		05/28/98	LMP
1,1,1-Trichloroethane	μg/l	1.0	X		05/28/98	LMP
1,1,2-Trichloroethane	μg/l		X			LMP
Trichloroethylene	$\mu$ g/l	0.5	Λ		05/28/98	TME

Analytical No.:

37524

# J.S.FILTE

ESP/ Lampert Lee & Associates 10968 Hwy. 54 East

WisconsinRapids, WI 54494

CUST NUMBER: SPIRITLANDS

SAMPLED BY: Client DATE REC'D: 05/21/98

REPORT DATE: 06/04/98

PREPARED BY: JRS REVIEWED BY:

Attn: Janet Snedeker/ Bob Mcdonald

	Units	Reporting Limit	TRIP BLANK-USF 05/21/98	<u>Qualifier</u> s	Date Analyzed	Ву
EPA 8021A	u~ /1	1.0	x		05/28/98	LMP
Trichlorofluoromethane 1,2,4-Trimethylbenzene	μg/l μg/l	1.0	X	DUP	05/28/98	LMP
1,3,5-Trimethylbenzene	μg/1 μg/1	1.0	X	DUP	05/28/98	LMP
Vinyl Chloride	$\mu g/1$	0.2	X	CSH	05/28/98	LMP
m- & p-Xylene	$\mu g/1$	1.0	X		05/28/98	LMP
o-Xylene & Styrene	$\mu g/1$	1.0	X	DUP	05/28/98	LMP
*** 550						
WI DNR Gasoline Range Organics	μg/l	50.	Х		05/28/98	EPM
Analytical No.:			37524			



ESP/ Lampert Lee & Associates 10968 Hwy. 54 East WisconsinRapids, WI 54494

Attn: Janet Snedeker/ Bob Mcdonald

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SAMPLED BY: Client DATE REC'D: 05/21/98 REPORT DATE: 06/04/98

PREPARED BY: JRS REVIEWED BY: 1

#### Qualifier Descriptions

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.
G3	The chromatogram in not characteristic for either gas or aged gas. It has a reportable concentration of peaks/area within the GRO window.
G6	The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
G2	The chromatogram has characteristics of an aged gasoline sample.
G5	The chromatogram contains a significant number of peaks outside the GRO window.
S1L	Sample matrix spike recovery was low. Sample result may be biased low.
S2L	Sample matrix spike duplicate recovery was low. Sample result may be biased low.

# 

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HULL MAIL 

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KILLERIKE

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#### U.S. FILTER/ENVIROSCAN 301 W. MILITARY RD. ROTHSCHILD, WI 54474 1-800-338-SCAN

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Soil/Solid		Date Nee	eded		_		/ t	<i>1</i> /		/	/ /	
Drinking Water		Approved	i By				12/2	/ 5	*/	/	/ /	
Oil						/	$X_{i}$	./	/ /	,	/ /	
☐ Vapor						/	$\times$	W	/	/	/	
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DATE/TIME

RECEIVED FOR LABORATORY BY: (Signature)

#### **APPENDIX G**

**Procedures and Methods** 

#### **METHODS**

#### **Monitoring Well Installation**

Monitoring wells were installed using eight-inch hollow stem augers. Monitoring wells were then constructed in accordance with NR 141. The well casing is constructed of schedule 40 flush thread PVC. The well screens are set six to eight feet below the water table and in most cases are ten-foot screens. The well filter pack is also constructed according to NR 141. Monitoring well construction diagrams are included in the Appendix, which includes detailed construction of each monitoring well.

#### Well Development

Monitoring wells were developed according to NR 141. Maxim Technologies Inc developed the monitoring wells on July 21, 1998. The method used to develop the monitoring wells at this site was to pump the well slowly until fifty gallons of water were removed and the water ran clear. Monitoring well development forms are also included in the Appendix, giving a detailed description of the development process of each well.

#### Soil Screening and Sampling

Soil samples were taken using a geoprobe for the purposes of determining the extent of soil contamination and the geology of the area. Decontamination of drilling equipment took place between each boring. Samples were taken continuously every two feet to a depth of approximately twenty to twenty-four feet. The soil samples were split into two portions, one for screening and the other for potential lab analysis. Screening was performed using a Microtip HL200 photoionization detector (PID) with an 11.7 eV lamp. The PID is calibrated at the beginning of each job with a 100-ppm isobutylene standard. Soil screening took place by filling a one quart plastic bag 1/2 full with sample. The bag was then sealed, agitated and allowed to equilibrate. The bag was then punctured with the probe and a reading was taken.

In addition, soil samples were also classified visually in the field to determine the geology of the area.

A sample was then taken at the depth where the highest PID reading occurred, and at the groundwater interface. Soil samples were analyzed by a certified laboratory for GRO, VOCs, lead and total solids. For GRO and VOC analysis, 25 grams of soil was placed in an amber glass bottle. 25 ml of methanol was then added to the sample and the bottle was tightly capped. The bottle was then inverted to check for leaks and to coat the sample with methanol. For analysis of total solids and lead, soil was tightly packed in a plastic 180-ml jar. Both samples were placed on ice and shipped to the laboratory.

#### Groundwater Sampling

Before sampling each monitoring well, three well volumes were bailed to remove stagnant water and obtain a representative sample of the aquifer. Samples were taken using a new disposable bailer for each well. Samples were analyzed for GRO, VOCs, and lead. Samples were taken in duplicate in case of breakage or contaminant detection out of the calibrated range. Samples were taken by gently bailing the monitoring well to avoid volatilizing the contaminants, then placing the sample into four 40-ml amber glass vials preserved with hydrochloric acid. The sample to be analyzed for lead was taken immediately after the VOC and GRO samples and placed in a 250-ml low-density polyethylene bottle preserved with nitric acid. The samples were then placed on ice and shipped to the laboratory for analysis.

Both soil samples and groundwater samples were accompanied by a chain of custody record that indicates the project name, location and number, sample identification, sample type, the date and time the sample was taken, number of containers per sample, analysis required, the sampler's name and the signatures of every person who handled the sample.

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