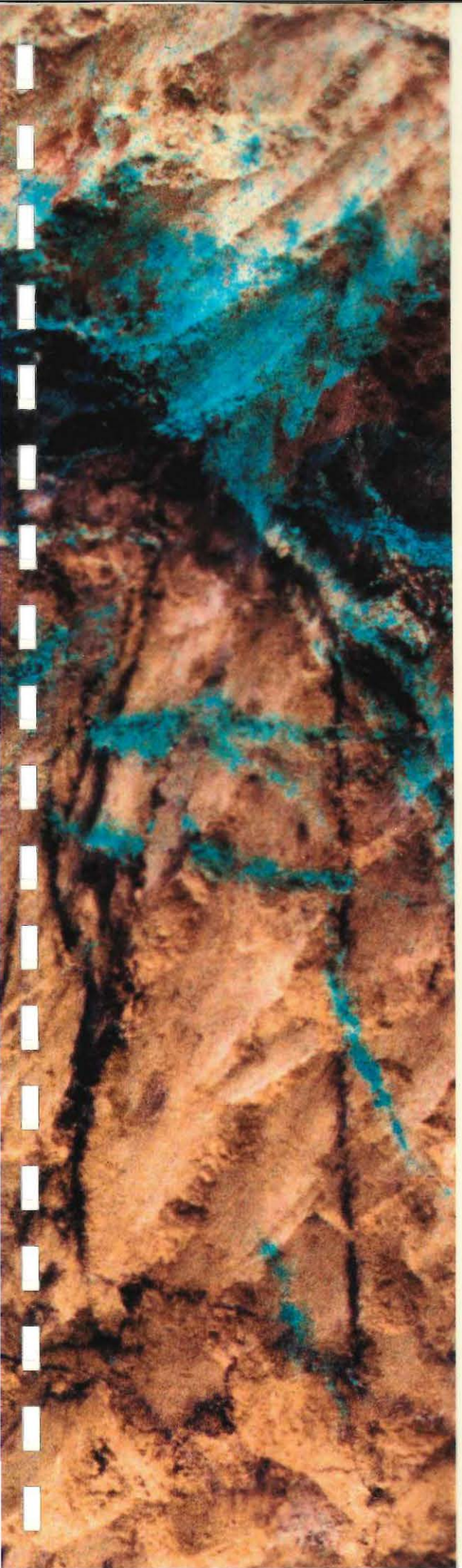
02-35-000082



TOMAHAWK TISSUE CORPORATION (FORMER) PROPERTY

TANNERY ROAD
BRADLEY, WISCONSIN

USEPA #WID988639076

December 13, 2000

Northern Environmental℠
Hydrologists • Engineers • Geologists

Northern Environmental℠
Hydrologists • Engineers • Geologists

330 South 4th Avenue
Park Falls, WI 54552
715-762-1544
1-800-498-3913
Fax 715-762-1844
netipf@newnorth.net

December 13, 2000
(DNR04-1510-0340)

Mr. John Sager
Wisconsin Department of Natural Resources
223 East Steinfest Road
Antigo, Wisconsin 54409-0310

RE: Tomahawk Tissue Corporation (former) Property, Tannery Road, Town of Bradley, Wisconsin (USEPA# WID988639076)

Dear Mr. Sager:

Northern Environmental Technologies, Incorporated (Northern Environmental) has completed the work as described under bid number 8-A008 for the Wisconsin Department of Natural Resources at Tomahawk Tissue Corporation (former) Property, Tannery Road, Town of Bradley, Wisconsin (the Site).

Northern Environmental observed the advancement of two soil borings (B900 and B1000) at the Site on September 14, 2000 by Boart Longyear, Inc. Soil characteristics and photoionization detector (PID) readings were recorded and are included on Table 1. Soil boring and field screening methods are included as Appendix A. WDNR soil boring logs (Form 4400-122) are included as Appendix B.

Soil borings B900 and B100 were converted into ground-water monitoring wells MW-9 and MW-10, respectively. On October 10, and November 7, 2000, Northern Environmental collected ground-water samples from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-4A, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-10. Monitoring well elevations were correlated to mean sea level on November 7, 2000 by Wilderness Surveying, Inc. of Minocqua, Wisconsin. Figure 1 is a survey map (Wilderness Surveying, Inc.) of the monitoring well elevations. Figure 2 is a Site layout map with monitoring well locations. Monitoring well construction, development, and sample collection methods are included as Appendix C. WDNR monitoring well construction forms (Form 4400-113A), WDNR monitoring well development forms (Form 4400-113B), and WDNR ground-water monitoring well information form (Form 4400-89) are included in Appendices D, E, and F, respectively. Water level measurement methods and water level data summary sheets are included as Appendices G and H, respectively. Ground-water analytical results and chain of custody forms are included as Appendix I. Northern Environmental hourly activity logs are includes in Appendix J.

We trust that this information meets your needs. Please feel free to contact Northern Environmental at (715) 762-1544 if you have any questions or need further information.

Sincerely,

Northern Environmental Technologies, Incorporated

Barbara J. Flietner
Staff Geologist/Hydrogeologist

Timothy J. McCormick
District Director

Enclosures

Monitoring Wells – Tomahawk Tissue Property

Part of the

Northeast Quarter
Section 17, T35N, R6E

Bradley Township
Lincoln County, Wisconsin

SURVEYOR'S CERTIFICATE

I, James L. Rein, Registered Land Surveyor No. S–2335, hereby certify that the information shown hereon is accurate and true to the best of my knowlegde and belief.

SURVEY NOTE:

Elevations shown hereon are based upon the NGS benchmark, designation K 221, PID QM0503, having an elevation of 1482.76 (adjusted to NAVD 88).

MW – 1
Ground = 1487.31'
Well Top = 1489.35'

MW – 2
Ground = 1488.43'
Well Top = 1489.98'

MW – 3
Ground = 1475.12'
Well Top = 1477.02'

MW – 4
Ground = 1478.02'
Well Top = 1481.30'

MW – 4A
Ground = 1479.39'
Well Top = 1481.68'

MW – 5
Ground = 1476.70'
Well Top = 1478.02'

MW – 6
Ground = 1475.53'
Well Top = 1478.72'

MW – 7
Ground = 1484.18'
Well Top = 1486.80'

MW – 8
Ground = 1489.14'
Well Top = 1490.01'

MW – 9
Ground = 1492.07'
Well Top = 1494.53'

MW – 10
Ground = 1491.99'
Well Top = 1494.30'

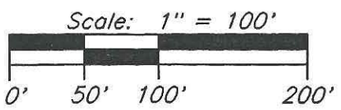
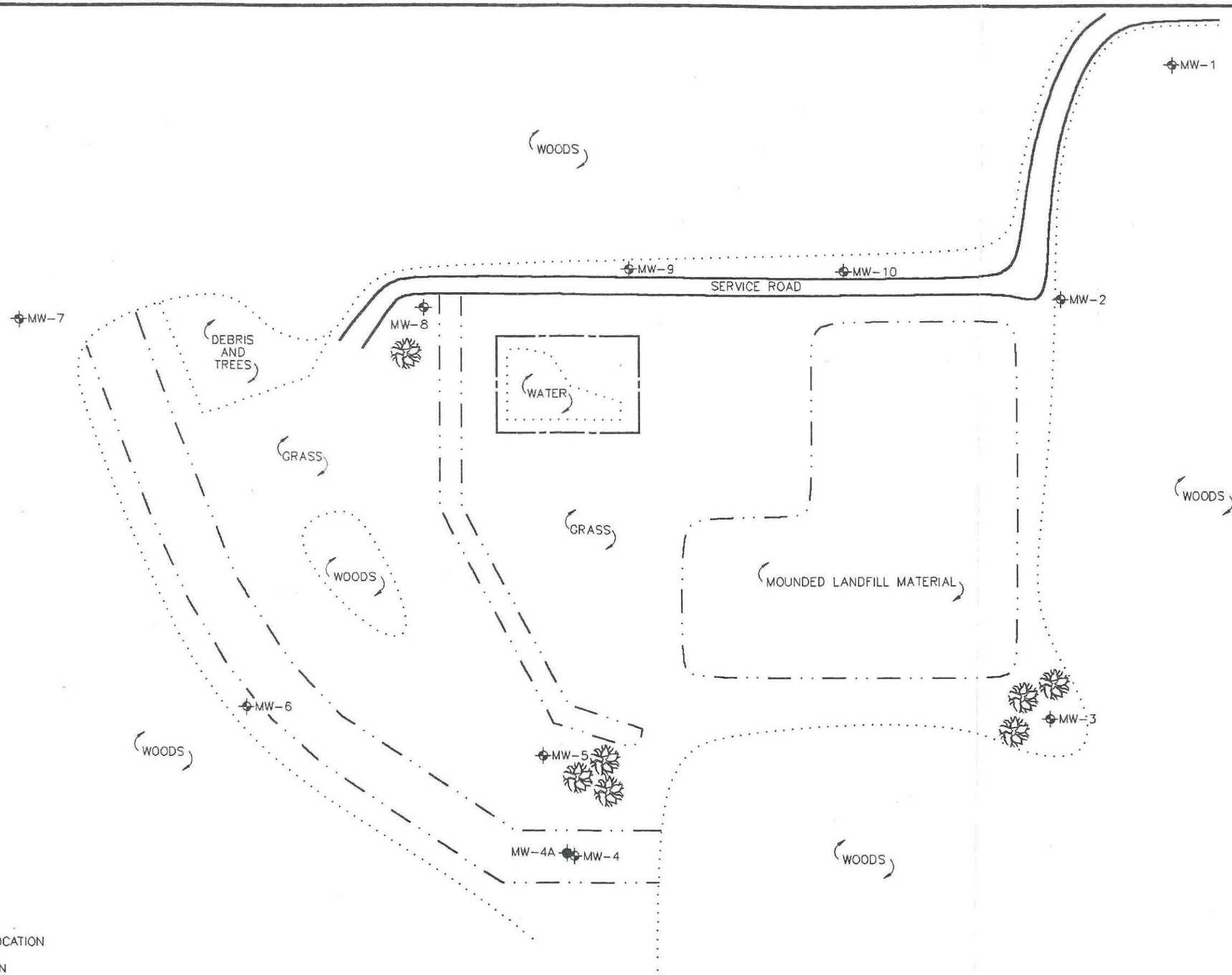


FIGURE 1

WILDERNESS SURVEYING, INC.
Post Office Box 1111 – 8793 Earls Court
Minocqua, Wisconsin 54548–1111
Telephone (715) 356–5100

Map Number: 00–205
File Number: 1–17–356
Drafted by: James L. Rein

Revisions:



DRAWN BY: BJF	PROJECT: DNR04-1510-0340	DATE: 12/12/00
REV. DATE	THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED.	

Northern Environmental℠
Hydrologists • Engineers • Geolcgists

FIGURE 2
SITE LAYOUT AND MONITORING WELL LOCATIONS

TOMAHAWK TISSUE CORPORATION PROPERTY
TANNERY ROAD, TOWN OF BRADLEY, WISCONSIN
WISCONSIN DEPARTMENT OF NATURAL RESOURCES

S:\PROJ\DNR\04-0340\CAD0340\MWLOC

Table 1, Site Investigation Soil Field Screening Results, Tomahawk Tissue Landfill, Tomahawk, Wisconsin

Boring Number	Sample Label	Depth (feet)	Sample Description	Date Collected	PID Headspace Analysis		
					Time Collected	Time Analyzed	PID Response (iui)
B900	S901	0-2	Topsoil/Medium Sand	09/14/00	1020	1052	6
	S902	2.5-4.5	Fine Sand	09/14/00	1028	1053	7
	S903	5-7	Fine Sand	09/14/00	1033	1054	8
	S904	7.5-9.5	Fine Sand	09/14/00	1038	1055	9
	S905	10-12	Silty Sand	09/14/00	1043	1058	9
	S906	12.5-14.5	Silty Sand	09/14/00	1050	1105	7
B1000	S1001	0-2	Topsoil/Medium Sand	09/14/00	1140	1146	18
	S1002	2.5-4.5	Fine Sand	09/14/00	1145	1201	8
	S1003	5-7	Fine Sand	09/14/00	1150	1206	22
		7.5-9.5	Drill Refusal	09/14/00	---	---	---
	S1004	10-12	Silty Sand	09/14/00	1220	1236	7
	S1005	12.5-14.5	Silty Sand	09/14/00	1230	1246	8
	S1006	15-17	Silty Sand	09/14/00	1239	1255	6

NOTE:

PID = Photoionization Detector

iui = instrument units as isobutylene

--- = no sample collected

Table 2, Ground-Water Analytical Results, Tomahawk Tissue Landfill, Tomahawk, Wisconsin

Relevant and Significant Analytical Results

Well ID	Date Sampled	QC Hold Time Met	Inorganic Results (mg/L): Total Alkalinity	Total Chloride	Total COD	Total Ammonia Nitrogen	Nitrate + Nitrite Nitrogen	Total Sulfate	Temperature (°C)	Conductivity (uS)	p.H. (s.u.)	Metals Results: Total Arsenic (µg/L)	Total Hardness (mg/L)	Total Cadmium (µg/L)	Total Chromium (µg/L)	Total Lead (µg/L)
WAC Preventive Action Limit (PAL) (µg/l)			NE	125	NE	NE	2	125	NE	NE	NE	5	NE	0.5	10	1.5
WAC Enforcement Standard (ES) (µg/l)			NE	250	NE	NE	10	250	NE	NE	NE	50	NE	5	100	15
WAC Minimum Increase (mg/L)			100	NE	25	2	NE	NE	NE	200	NE	NE	100	NE	NE	NE
MW1	10/10/00	Yes	<18	<0.65	<18	<0.02	<0.08	10.0*	11.9	20	9.6	---	36.2	---	---	---
	11/07/00	Yes	<18	1.01*	20*	<0.02	<0.08	9.55*	9.8	20	9.8	---	23.7	---	---	---
MW2	10/10/00	Yes	131	0.704*	20*	0.110	0.230*	7.18*	13.1	190	9.1	3.3	86.0	<0.4	6.4	1.4*
	11/07/00	Yes	158	1.23*	23*	<0.02	<0.08	10.0*	10.9	240	9.3	---	122	---	---	---
MW3	10/10/00	Yes	178	19.7	56*	0.350	0.0800*	13.4	13.3	230	9.2	0.77*	132	<0.4	3.2*	<1.1
	11/07/00	Yes	161	20.1	61	0.320	<0.08	11.4*	9.7	350	8.9	---	108	---	---	---
MW4	10/10/00	Yes	371	18.8	130	1.13	0.110*	8.35*	13.1	330	8.7	6.3	184	<0.4	43.6	<1.1
	11/07/00	Yes	435	22.9	143	0.690	<0.08	5.86*	11.0	600	9.9	---	173	---	---	---
MW4A	10/10/00	Yes	417	7.97	44*	<0.02	0.0800*	<4	13.1	500	8.7	4.2	352	<0.4	5.3	<1.1
	11/07/00	Yes	420	7.97	80	<0.02	<0.08	<3.50	11.1	580	9.5	---	356	---	---	---
MW5	10/10/00	Yes	497	7.95	50*	0.140	0.100*	<4	13.3	610	8.9	2.2	442	<0.4	6.6	7.3
	11/07/00	Yes	487	7.56	131	<0.02	<0.08	3.73*	10.3	650	8.4	---	416	---	---	---
MW6	10/10/00	Yes	217	1.26*	27*	<0.02	0.100*	<4	12.0	280	8.6	2.7	197	<0.4	3.8	<1.1
	11/07/00	Yes	205	1.03*	20*	<0.02	<0.08	<3.50	10.0	290	8.7	---	180	---	---	---
MW7	10/10/00	Yes	37.6*	0.818*	<18	<0.02	0.130*	9.15*	12.0	50	8.9	0.76*	74.1	<0.4	2.8*	3.4*
	11/07/00	Yes	36.9*	0.818*	<18	<0.02	0.0800*	8.10*	9.8	50	10.5	---	72.5	---	---	---
MW8	10/10/00	Yes	<18	0.786*	20*	<0.02	0.110*	4.77*	12.8	10	9.3	1.5*	13.7	1.9	7.0	14.2
	11/07/00	Yes	<18	<0.65	<18	<0.02	<0.08	4.08*	10.6	10	9.1	---	7.6	---	---	---
MW9	10/10/00	Yes	48.4*	4.71	26*	0.0500*	0.100*	15.8	13.2	140	10.3	11.4	267	<0.4	77.7	3.8
	11/07/00	Yes	48.8*	2.04*	122	<0.02	<0.08	14.1	10.9	100	8.8	---	110	---	---	---
MW10	10/10/00	Yes	211	1.24*	<18	<0.02	<0.08	13.3	12.8	270	9.7	8.0	253	<0.4	50.4	2.5*
	11/07/00	Yes	208	0.812*	58*	<0.02	0.0800*	10.3*	10.2	300	8.9	---	201	---	---	---

Well ID	Date Sampled	PAHs (µg/L): 1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(g,h,i)perylene	Dibenzo(a,h)anthracene	Fluoranthene	Naphthalene**
WAC Preventive Action Limit (PAL) (µg/l)		NE	NE	NE	NE	0.02	NE	NE	80	8
WAC Enforcement Standard (ES) (µg/l)		NE	NE	NE	NE	0.2	NE	NE	400	40
WAC Minimum Increase (mg/L)		NE	NE	NE	NE	NE	NE	NE	NE	NE
MW1	10/10/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
	11/07/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
MW2	10/10/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
	11/07/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
MW3	10/10/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
	11/07/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
MW4	10/10/00	2.4	6.6	<0.28	<0.011	0.015*	0.13*	<0.090	0.062*	14
	11/07/00	5.6	9.2	0.50*	<0.011	<0.012	<0.049	<0.090	<0.033	14
MW4A	10/10/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	0.13	<0.30
	11/07/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	0.11	<0.30
MW5	10/10/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	2.9
	11/07/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	3.4
MW6	10/10/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
	11/07/00	<0.33	<0.37	<0.32	<0.013	<0.014	<0.056	<0.10	<0.038	<0.34
MW7	10/10/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
	11/07/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
MW8	10/10/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
	11/07/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
MW9	10/10/00	<0.29	<0.32	<0.28	0.012*	0.014*	<0.049	0.70	<0.033	<0.30
	11/07/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	0.048*	<0.30
MW10	10/10/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30
	11/07/00	<0.29	<0.32	<0.28	<0.011	<0.012	<0.049	<0.090	<0.033	<0.30

Well ID	Date Sampled	VOCs (µg/L): Trimethylbenzenes	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Chlorotoluene	n-Butylbenzene	sec-Butylbenzene	Chlorobenzene	Isopropylbenzene	p-Isopropyltoluene	Naphthalene**	n-Propylbenzene	Toluene	Vinyl chloride	Xylenes
WAC Preventive Action Limit (PAL) (µg/l)		96	60	125	15	NE	NE	NE	NE	NE	NE	8	NE	200	0.02	1000
WAC Enforcement Standard (ES) (µg/l)		480	600	1250	75	NE	NE	NE	NE	NE	NE	40	NE	1000	0.2	10000
WAC Minimum Increase (mg/L)		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
MW1	10/10/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30	<0.10	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
	11/07/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30	<0.10	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
MW2	10/10/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30	<0.10	<0.20	<0.70	<0.30	<0.10	7.5	<0.30
	11/07/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30	<0.10	<0.20	<0.70	<0.30	<0.10	0.94*	<0.30
MW3	10/10/00	<0.50	<0.30	<0.40	0.57*	<0.40	<0.40	<0.30	2.4	<0.10	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
	11/07/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	2.5	<0.10	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
MW4	10/10/00	51	2.6	4.5	19	1.2	10	1.0*	28	3.9	1.9	23	5.8	1.6	<0.40	13.9
	11/07/00	49	2.6	4.9	21	<0.40	11	1.2	34	3.8	2.1	21	5.5	1.6	<0.40	13.3
MW4A	10/10/00	0.41*	10	<0.40	1.6	<0.40	5.9	0.68*	1.2	1.2	<0.20	2.0*	0.31*	<0.10	<0.40	<0.30
	11/07/00	0.31*	1.2	<0.40	1.6	<0.40	5.7	0.74*	2.3	1.3	<0.20	0.77*	0.41*	<0.10	<0.40	<0.30
MW5	10/10/00	3.68*	0.92*	<0.40	2.2	<0.40	4.7	0.64*	1.7	0.82	<0.20	6.1	<0.30	<0.10	2.7	<0.30
	11/07/00	6.0	1.3	<0.40	2.3	<0.40	5.6	0.87*	3.0	1.0	<0.20	5.5	0.34*	0.35*	<0.40	<0.30
MW6	10/10/00	2.1	<0.30	<0.40	0.55*	<0.40	1.3	0.54*	<0.30	0.84	<0.20	1.3*	0.59*	<0.10	<0.40	<0.30
	11/07/00	1.4	<0.30	<0.40	<0.40	<0.40	0.78*	<0.30	<0.30	0.53	<0.20	<0.70	0.44*	<0.10	<0.40	<0.30
MW7	10/10/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30	<0.10	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
	11/07/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30	<0.10	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
MW8	10/10/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30	<0.10	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
	11/07/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30	<0.10	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
MW9	10/10/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30	<0.10	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
	11/07/00	<0.50	<0.30	<0.40	<0.40	<0.40	<0.40	<0.30	<0.30	<0.10	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
MW10	10/10/00	<0.50	<0.30	<0.40	<0.40	<0.40	0.85*	<0.30	<0.30	4.3	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30
	11/07/00	<0.50	<0.30	<0.40	<0.40	<0.40	0.88*	<0.30	<0.30	3.4	<0.20	<0.70	<0.30	<0.10	<0.40	<0.30

Note:

VOCs	= Volatile Organic Compounds
ug/L	= micrograms per liter
NE	= Not established by Wisconsin Administrative Code (WAC)
6.3	= WAC Preventive Action Limit Exceeded
7.5	= WAC Enforcement Standard Exceeded
---	= Not analyzed
<x	= Not detected above laboratory detection limit of x
*	= Analyte detected between laboratory Limit of Detection (LOD) and Limit of Quantitation (LOQ)
PAHs	= Polynuclear Aromatic Hydrocarbons
mg/l	= milligrams per liter
°C	= degrees Celsius
uS	= microsiemens
s.u.	= standard units
**	= Naphthalene was analyzed in the PAH and VOC scan

APPENDIX A

SOIL EXPLORATION BORING AND FIELD SCREENING METHODS

SOIL EXPLORATION BORING AND FIELD SCREENING METHODS

Two soil borings (B900 and B1000) were completed at the Site on September 14, 2000. The soil borings were completed to by a hollow stem auger (HAS) drill rig. The boreholes were advanced to a maximum depth of 17 feet below grade (fbg). Soil samples were collected using standard split-barrel sample collection techniques (ASTM 1586) and a 24-inch long split-barrel sample collection device. All soil samples were examined for soil color (Munsell notation), moisture content, consistency, texture, and photoionizable constituents. Locations of the soil borings are shown on Figure 2.

All downhole boring and sample collection equipment was cleaned prior to use between soil borings. Split-barrel sample collection devices were washed with a detergent solution (Alconox) and double rinsed with potable water between sample collection intervals and between each boring. No lubricants or solvents were used on downhole boring and sample collection equipment.

Photoionization screening was performed with a TEI Model 580B Organic Vapor Monitor photoionization detector (PID) using a 10.6 eV lamp calibrated daily for direct response to isobutylene. PID headspace analysis consisted of collecting a representative soil sample, transferring the sample to a resealable plastic bag, and storing the sample in a relatively warm (e.g., 60°F) location for at least 15 minutes. The resealable bag was then punctured with the PID probe. The highest stable PID reading occurring within 10 to 20 seconds was recorded in instrument units as isobutylene (iui). Soil appearance was used as part of the field screening process. The results of the field screening program for soil samples collected during boring procedures are summarized in Table 1.

Each soil sample was described in the field by Northern Environmental personnel. Wisconsin Department of Natural Resources (WDNR) mandated borehole logs were prepared in general conformance with ASTM 2488 using the information collected. The soil boring logs include information on soil type, structural characteristic, color, moisture content, consistency, and photoionizable constituent. Copies of the soil boring logs are included in Appendix B.

APPENDIX B

WDNR SOIL BORING LOGS
(FORM 4400-122)

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Tomahawk Tissue Mill		MW- 9A

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - J. Flaminio	9/14/2000	9/14/2000	4 1/4 HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-9A	Feet MSL	Feet MSL	8.0 Inches

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

Facility ID	County	County Code	Civil Town/City/ or Village
10729	Lincoln	35	Tomahawk

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 / 12	Push Spoon	1	SAND						M				
2 SS	24 / 16	5 5 3 3	3	Br F. SAND w/Silt & Gravel						M				
3 SS	24 / 10	4 5 8 22	6							M				
4 SS	24 / 6	50	8							M				
5 SS	24 / 14	5 6 8 7	11							M				

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

Signature

Firm Boart Longyear
101 Alderson St. Schofield, WI 54476

Tel: (715)359-7090
Fax: (715)355-5715

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

State of Wisconsin
Department of Natural Resources

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

Boring Number MW- 9A Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
6 SS	24 8	5 3 2 2	13							M				
			14											
			15											
			16											
			17	EOB 17.0' Well Set 16.0'										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Tomahawk Tissue Mill		MW-10A

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - J. Flaminio	9/14/2000	9/14/2000	4 1/4 HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-10A	Feet MSL	Feet MSL	8.0 Inches

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

Facility ID	County	County Code	Civil Town/City/ or Village
10729	Lincoln	35	Tomahawk

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Earth Drill Samples collected from MW-10										
			2											
			3											
			4											
			5											
			6											
			7											
1 SS	24 12	Push Spoon	8	Br Silty SAND and Lg GRAVEL						M				
			9											
2 SS	24 16	5 5 3 3	10							M				
			11											
			12				▼							

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

Signature [signature] Firm Boart Longyear
101 Alderson St. Schofield, WI 54476
Tel: (715)359-7090
Fax: (715)355-5715

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State of Wisconsin
Department of Natural Resources

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

Boring Number MW-10A Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
3 SS	24 10	4 5 8 22	13							W				
			14											
4 SS	24 6	50	15							W				
			16											
			17											
			18	EOB 18.0' Well Set 17.0'										

APPENDIX C

MONITORING WELL CONSTRUCTION, DEVELOPMENT, AND SAMPLE COLLECTION METHODS

MONITORING WELL CONSTRUCTION, DEVELOPMENT, AND SAMPLE COLLECTION METHODS

Soil borings B900 and B1000 were converted into ground-water monitoring wells MW-9 and MW-10, respectively. The monitoring wells were constructed under the direction of Northern Environmental personnel. The positions of the filter pack, filter pack seal, annular space seal, and surface seal were measured with a ballasted measuring tape. The monitoring wells were constructed of two-inch diameter, threaded, flush-joint polyvinyl chloride (PVC) casing. Monitoring well screens consisted of a 10-foot long section of two-inch diameter, 0.010-inch mill slot, threaded, flush-joint PVC. The monitoring well screens were positioned so that approximately five feet of screen was above the apparent seasonal high water table allowing the presence of floating product to be identified. The bottom caps consisted of pointed, threaded, flush-joint PVC cap. No glues, solvents, lubricants, or similar substances were used in well construction.

Monitoring wells terminate approximately two feet above ground surface and are protected with a 4-inch diameter steel pro-top protective casing that is set in concrete. Wisconsin Department of Natural Resources (WDNR) mandated well construction forms are included as Appendix D.

The monitoring wells were developed using a submersible pump to remove the effects of drilling and well installation procedures. Well development helps to ensure that water entering the well is representative of ambient ground water. During well development, observation of turbidity and free product occurrence were recorded. When 10 well volumes had been removed, the well produced sediment-free water, or the well went dry, the well was considered developed. WDNR well development forms are included as Appendix E.

Ground-water samples were collected with a disposable bailer, preserved according to laboratory requirements, chilled to four degrees Celsius, and transported under chain-of-custody protocol to a WDNR certified laboratory (Commonwealth Technology, Inc., Baraboo, Wisconsin). The samples were analyzed for ammonia-nitrogen, alkalinity, chloride, COD, hardness, nitrate, sulfate, volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), dioxins, furans, PCBs, arsenic, cadmium, chromium, and lead. Copies of ground-water laboratory analytical reports and chain-of-custody forms are presented in Appendix I. Laboratory analytical results are summarized on Table 2.

APPENDIX D

WDNR MONITORING WELL CONSTRUCTION FORMS (FORM 4400-113A)

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

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

Facility/Project Name: Tomahawk Tissue Mill	Local Grid Location of Well: ____ft. ☐N. ☐S. ____ft. ☐E. ☐W.	Well Name: MW-9A
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well Number
Facility ID: 10729	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 09/14/2000
Type of Well: Well Code 11/mw	Section Location of Waste/Source: ____1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	Well Installed By: (Person's Name and Firm): J. Flaminio
Distance Well Is From Waste/Source Boundary ____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Boart Longyear

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation 2.50 ft. MSL
C. Land surface elevation ____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or 4.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

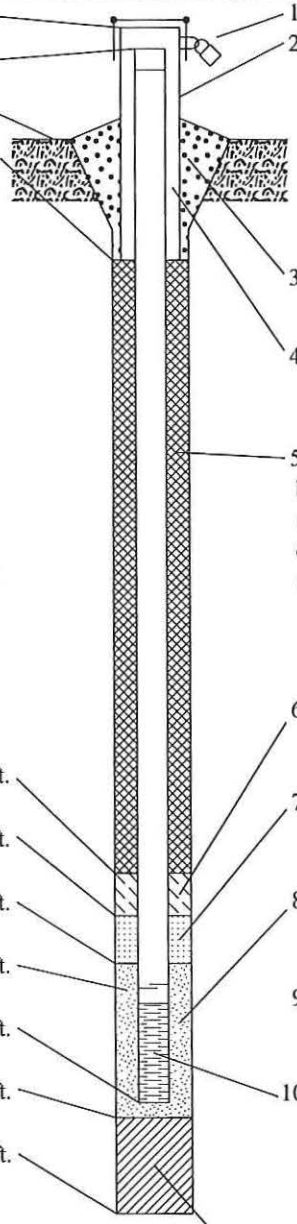
14. Drilling method used: Rotary ☐ 5 0 | Hollow Stem Auger ☒ 4 1 | ____ Other ☐ __

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

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

17. Source of water (attach analysis): ____

E. Bentonite seal, top ____ ft. MSL or 0.5 ft.
F. Fine sand, top ____ ft. MSL or 4.0 ft.
G. Filter pack, top ____ ft. MSL or 5.0 ft.
H. Screen joint, top ____ ft. MSL or 6.0 ft.
I. Well bottom ____ ft. MSL or 16.0 ft.
J. Filter pack, bottom ____ ft. MSL or 17.0 ft.
K. Borehole, bottom ____ ft. MSL or 17.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.



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

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

Signature: [signature] Firm: Boart Longyear, 101 Alderson St. Schofield, WI 54476 Tel: (715)359-7090 Fax: (715)355-5715

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

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

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

Facility/Project Name: Tomahawk Tissue Mill	Local Grid Location of Well: ____ft. ☐N. ☐S. ____ft. ☐E. ☐W.	Well Name: MW-10A
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No. / DNR Well Number
Facility ID: 10729	Section Location of Waste/Source: ____1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	Date Well Installed: 09/14/2000
Type of Well: Well Code 11/mw	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) J. Flaminio; Boart Longyear
Distance Well Is From Waste/Source Boundary: ____ ft.		

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation 2.50 ft. MSL
C. Land surface elevation ____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or 4.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

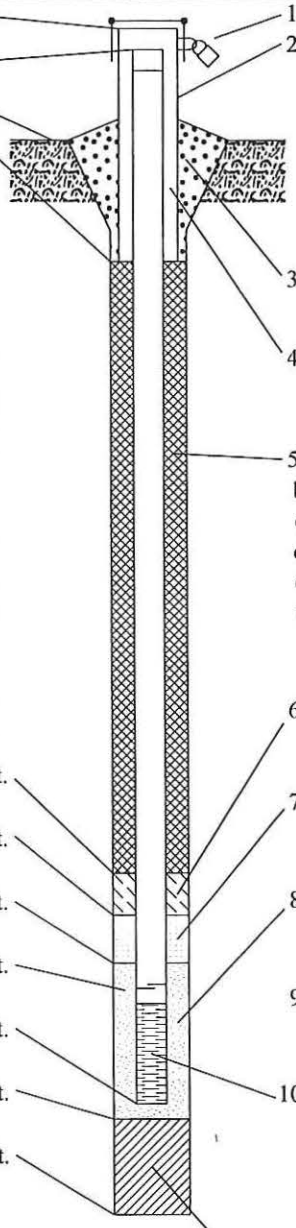
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ☐ __

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

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

17. Source of water (attach analysis):
____

E. Bentonite seal, top ____ ft. MSL or 0.5 ft.
F. Fine sand, top ____ ft. MSL or 4.0 ft.
G. Filter pack, top ____ ft. MSL or 5.0 ft.
H. Screen joint, top ____ ft. MSL or 7.0 ft.
I. Well bottom ____ ft. MSL or 17.0 ft.
J. Filter pack, bottom ____ ft. MSL or 18.0 ft.
K. Borehole, bottom ____ ft. MSL or 18.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.



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

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

Signature ____ Firm Boart Longyear, 101 Alderson St. Schofield, WI 54476 Tel: (715)359-7090 Fax: (715)355-5715

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APPENDIX E

WDNR MONITORING WELL DEVELOPMENT FORMS
(FORM 4400-113B)

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☒ Landfill

Facility/Project Name	County Name	Well Name
Tomahawk Tissue Landfill	LINCOLN	MW9
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	35	

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

2. Well development method

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

3. Time spent developing well 60 min.

4. Depth of well (from top of well casisng) 16 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2 gal.

7. Volume of water removed from well 20 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 0 ft.	14 ft.
Date	b. 09 / 14 / 2000 (m m / d d / y y y y)	10 / 10 / 2000
Time	c. ☐ a.m. ☐ p.m.	10 : 35 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	1 inches	0.5 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Muddy	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Barb Last Name: Flietner
Firm: Northern Environmental

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: John Last Name: Sager
Facility/Firm: WDNR
Street: 223 East Steinfest Road
City/State/Zip: Antigo WI 54409-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Shan M. Moquin
Print Name: Shan M. Moquin
Firm: Northern Environmental

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☒ Landfill

Facility/Project Name	County Name	Well Name
Tomahawk Tissue Landfill	LINCOLN	MW10

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	35		

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

2. Well development method

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

3. Time spent developing well 60 min.

4. Depth of well (from top of well casisng) 17 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 1.8 gal.

7. Volume of water removed from well 5 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 0 ft.	17.51 ft.
Date	b. 09 / 14 / 2000 (m m d d y y y y)	10 / 10 / 2000 (m m d d y y y y)
Time	c. ☐ a.m. ☐ p.m.	10 : 37 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	1 inches	0.5 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Muddy	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Barb Last Name: Flietner
Firm: Northern Environmental

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: John Last Name: Sager
Facility/Firm: WDNR
Street: 223 East Steinfest Road
City/State/Zip: Antigo WI 54409-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Shan M. Moquin
Print Name: Shan M. Moquin
Firm: Northern Environmental

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

APPENDIX F

WDNR GROUND-WATER MONITORING WELL INFORMATION FORM (FORM 4400-89)

State of Wisconsin
Department of Natural Resources

GROUNDWATER MONITORING WELL INFORMATION FORM

Chapter 281 and 289, Wis. Stats.
Form 4400-89
Rev. 7-98

Facility Name	Facility ID Number	License, Permit or Monitoring No.	Date	Completed By (Name and Firm)
Tomahawk Tissue Landfill			12/12/2000	Shan M. Moquin Northern Environmental

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir. N/E	Dir. S/W	Date Established	Well Casing Diam.	Well Casing Type	Elevations Top of Well Casing	Elevations Ground Surface	Reference MSL (√)	Reference Site Datum (√)	Depths Screen Top	Depths Initial Groundwater	Depths Well Depth	Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste
	MW1					1988	2	P	1489.35	1487.31	X			11.59	25		11/mw	A	X		
	MW2					1975	1.5	P	1489.98	1488.43	X			14.05	27		11/mw	A	X		
	MW3					1988	2	P	1477.02	1475.12	X			6.16	13		11/mw	A	X		
	MW4					1988	2	P	1481.3	1478.02	X			9.71	16		11/mw	A	X		
	MW4A					1988	2	P	1481.68	1479.39	X			9.97	36		12/pz	A	X		
	MW5					1975	1.5	P	1478.02	1476.7	X			5.85	22		11/mw	A	X		
	MW6					1978	1.5	P	1478.72	1475.53	X			6.85	14		11/mw	A	X		
	MW7					1978	1.5	P	1486.8	1484.18	X			8.6	11		11/mw	A	X		
	MW8					1975	1.5	P	1490.01	1489.14	X			7.17	0		11/mw	A	X		
	MW9					09/14/2000	2	P	1494.53	1492.07	X		6	14	16	10	11/mw	A	X		
	MW10					09/14/2000	2	P	1494.3	1491.99	X		7	17.51	17	10	11/mw	A	X		

Location Coordinates Are:
☐ State Plane Coordinate ☐ Northern ☐ Central ☐ Southern
☒ Local Grid System

Grid Origin Location: (Check if estimated: ☐)
Lat. 45 ° 59 ' 2 " Long. 89 ° 38 ' 35 " or
St. Plane _____ ft. N. _____ ft. E. S/C/N Zone

Remarks:

Completion of this form is mandatory under s. NR 507.14 and NR 110.25 Wis. Adm. Code. Failure to file this form may result in forfeiture of not less than $10 nor more than $5,000 for each day of violation. Personally identifiable information provided is intended to be used by the Department for the purposes related to the waste management program.

APPENDIX G

WATER LEVEL MEASUREMENT METHODS

WATER LEVEL MEASUREMENT METHODS

Water levels were measured to the nearest 0.01 foot at the north side of the riser pipe of all monitoring wells using a Solinst Ground-Water Level Probe and/or a fiberglass measuring tape with a sounding device attached to it. The water level probe and measuring tape were thoroughly rinsed with potable water between monitoring wells.

APPENDIX H

WATER LEVEL DATA SUMMARY SHEETS

WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW1

Well Location:

Riser Elevation: 1489.35

Ground Elevation: 1487.31

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1040	SWLP	12.16	10.12	1477.19	---
11/07/00	0940	SWLP	12.68	10.64	1476.67	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

h:\admin\forms\tables\WATRLVL2.WK4

WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW2

Well Location:

Riser Elevation: 1489.98

Ground Elevation: 1488.43

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1044	SWLP	14.49	12.94	1475.49	---
11/07/00	0959	SWLP	14.82	13.27	1475.16	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

h:\admin\forms\tables\WATRLVL2.WK4

WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW3

Well Location:

Riser Elevation: 1477.02

Ground Elevation: 1475.12

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1049	SWLP	6.14	4.24	1470.88	---
11/07/00	1023	SWLP	6.09	4.19	1470.93	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

h:\admin\forms\tables\WATRLVL2.WK4

WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW4

Well Location:

Riser Elevation: 1481.30

Ground Elevation: 1478.02

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1054	SWLP	9.72	6.44	1471.58	---
11/07/00	1251	SWLP	9.47	6.19	1471.83	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

h:\admin\forms\tables\WATRLVL2.WK4

WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW4A

Well Location:

Riser Elevation: 1481.68

Ground Elevation: 1479.39

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1056	SWLP	10.01	7.72	1471.67	---
11/07/00	1250	SWLP	9.83	7.54	1471.85	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

h:\admin\forms\tables\WATRLVL2.WK4

WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW5

Well Location:

Riser Elevation: 1478.02

Ground Elevation: 1476.70

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1052	SWLP	5.94	4.62	1472.08	---
11/07/00	1203	SWLP	5.86	4.54	1472.16	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

h:\admin\forms\tables\WATRLVL2.WK4

WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW6

Well Location:

Riser Elevation: 1478.72

Ground Elevation: 1475.53

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1059	SWLP	6.90	3.71	1471.82	---
11/07/00	1332	SWLP	6.73	3.54	1471.99	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

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WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW7

Well Location:

Riser Elevation: 1486.80

Ground Elevation: 1484.18

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1103	SWLP	7.81	5.19	1478.99	---
11/07/00	1358	SWLP	8.09	5.47	1478.71	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

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WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW8

Well Location:

Riser Elevation: 1490.01

Ground Elevation: 1489.14

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1107	SWLP	9.64	8.77	1480.37	---
11/07/00	1122	SWLP	10.22	9.35	1479.79	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

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WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW9

Well Location:

Riser Elevation: 1494.53

Ground Elevation: 1492.07

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1035	SWLP	14.00	11.54	1480.53	---
11/07/00	1054	SWLP	14.54	12.08	1479.99	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

h:\admin\forms\tables\WATRLVL2.WK4

WATER LEVEL DATA

Project: DNR04-1510-0340

Location: Tomahawk, Wisconsin

Personnel: SMM

Well Number: MW10

Well Location:

Riser Elevation: 1494.30

Ground Elevation: 1491.99

Date	Time	Measuring Device	Depth (ft. below top of riser)	Water Level		Comments
				Depth (ft. below grade)	Elevation (ft. sd)	
10/10/00	1037	SWLP	17.51	15.20	1476.79	---
11/07/00	1044	SWLP	17.91	15.60	1476.39	---

Measuring Device:
SWLP: Solonist Water Level Probe
OWLP: Olympic Water Level Probe
TAPE: Steel or Fiberglass Measuring Tape

NOTE: All water level elevations are referenced to site datum.

h:\admin\forms\tables\WATRLVL2.WK4

APPENDIX I

GROUND-WATER ANALYTICAL RESULTS

Commonwealth
Technology, Inc.
Laboratory Division

1230 Lange Court
Baraboo, WI 53913-3109
Phone: (800) 228-3012
Fax: (608) 356-2766
EMail: bld@ctienv.com

ANALYTICAL REPORT

NORTHERN ENVIRONMENTAL
TIM MCCORMICK
330 SOUTH 4TH AVENUE
PARK FALLS, WI 54552

Project Name: TOMAHAWK
Contract #: 1597
Project #: DNR04-1510-0340
Folder #: 10340
Purchase Order #: INV 10760
Arrival Temperature: See COC
Report Date: 10/27/00
Date Received: 10/12/00

CTI LAB#: 42703 Sample Description: MW1 Sampled: 10/10/00 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Alkalinity Total	<18	mg/L	18	59	1			10/17/00	KJF	EPA 310.2
Total Chloride	<0.65	mg/L	0.65	2.15	1			10/20/00	MMC	EPA 9251
Total COD	<18	mg/L	18	61	1		10/24/00	10/24/00	MMC	EPA 410.4
Ammonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			10/18/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			10/13/00	MMC	EPA 353.2
Total Sulfate	10.0	mg/L	4	12	1	*		10/19/00	MMC	EPA 375.2
Metals Results										
Total Hardness	36.2	mg/L	0.10	0.35	1		10/13/00	10/18/00	NAH	EPA 6010
Organic Results										
1-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		10/13/00	10/16/00	SHU	EPA 8310
2-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		10/13/00	10/16/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		10/13/00	10/16/00	SHU	EPA 8310
Acenaphthylene	<0.28	ug/L	0.28	0.95	1		10/13/00	10/16/00	SHU	EPA 8310
Anthracene	<0.060	ug/L	0.060	0.20	1		10/13/00	10/16/00	SHU	EPA 8310
Benzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		10/13/00	10/16/00	SHU	EPA 8310
Benzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		10/13/00	10/16/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		10/13/00	10/16/00	SHU	EPA 8310
Benzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		10/13/00	10/16/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		10/13/00	10/16/00	SHU	EPA 8310
Chrysene	<0.051	ug/L	0.051	0.17	1		10/13/00	10/16/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		10/13/00	10/16/00	SHU	EPA 8310
Fluoranthene	<0.033	ug/L	0.033	0.11	1		10/13/00	10/16/00	SHU	EPA 8310
Fluorene	<0.14	ug/L	0.14	0.48	1		10/13/00	10/16/00	SHU	EPA 8310

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42703 Sample Description: MW1 Sampled: 10/10/00 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
eno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		10/13/00	10/16/00	SHU	EPA 8310
Naphthalene	<0.30	ug/L	0.30	1.0	1		10/13/00	10/16/00	SHU	EPA 8310
enanthrene	<0.059	ug/L	0.059	0.20	1		10/13/00	10/16/00	SHU	EPA 8310
ene	<0.083	ug/L	0.083	0.28	1		10/13/00	10/16/00	SHU	EPA 8310
1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
1,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/21/00	JBB	EPA 8021
1,1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
-Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/21/00	JBB	EPA 8021
,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/21/00	JBB	EPA 8021
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/21/00	JBB	EPA 8021
,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			10/21/00	JBB	EPA 8021
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
-Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/21/00	JBB	EPA 8021
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
cis-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/21/00	JBB	EPA 8021
is-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/21/00	JBB	EPA 8021
-Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
1,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
2,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/21/00	JBB	EPA 8021
hlorotoluene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
4-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
nzene	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
omobenzene	<0.50	ug/L	0.50	1.6	1			10/21/00	JBB	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			10/21/00	JBB	EPA 8021
utylbenzene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42703 Sample Description: MW1 Sampled: 10/10/00 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
-Butylbenzene	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
tert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			10/21/00	JBB	EPA 8021
bon tetrachloride	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
orobenzene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
Chlorodibromomethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
oroethane	<0.50	ug/L	0.50	1.6	1			10/21/00	JBB	EPA 8021
Chloroform	<0.50	ug/L	0.50	1.5	1			10/21/00	JBB	EPA 8021
oromethane	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			10/21/00	JBB	EPA 8021
opropyl ether	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
Ethylbenzene	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
xachlorobutadiene	<0.60	ug/L	0.60	2.1	1			10/21/00	JBB	EPA 8021
propylbenzene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021
p-Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			10/21/00	JBB	EPA 8021
thyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			10/21/00	JBB	EPA 8021
Methylene chloride	<1.9	ug/L	1.9	6.3	1			10/21/00	JBB	EPA 8021
phthalene	<0.70	ug/L	0.70	2.4	1			10/21/00	JBB	EPA 8021
n-Propylbenzene	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
rachloroethene	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
oluene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021
chloroethene	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
chlorofluoromethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
Vinyl chloride	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
& p-Xylene	<0.20	ug/L	0.20	0.80	1			10/21/00	JBB	EPA 8021
o-Xylene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021

CTI LAB#: 42739 Sample Description: MW2 Sampled: 10/10/00 1355

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
kalinity Total	131	mg/L	18	59	1			10/17/00	KJF	EPA 310.2
Total Chloride	0.704	mg/L	0.65 *	2.15	1			10/20/00	MMC	EPA 9251

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42739 Sample Description: MW2 Sampled: 10/10/00 1355

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
al COD	20	mg/L	18	*	61	1		10/24/00	10/24/00	MMC	EPA 410.4
Ammonia Nitrogen Total	0.110	mg/L	0.02		0.07	1			10/18/00	AAK	EPA 350.1
ate + Nitrite Nitrogen	0.230	mg/L	0.08	*	0.26	1			10/13/00	MMC	EPA 353.2
al Sulfate	7.18	mg/L	4	*	12	1			10/19/00	MMC	EPA 375.2
Metals Results											
al Arsenic	3.3	ug/L	0.5		1.7	1		10/13/00	10/16/00	NAH	EPA 7060
Total Hardness	86.0	mg/L	0.10		0.35	1		10/13/00	10/18/00	NAH	EPA 6010
al Cadmium	<0.4	ug/L	0.4		1.2	1		10/13/00	10/16/00	NAH	EPA 6010B
otal Chromium	6.4	ug/L	1.1		3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
al Lead	1.4	ug/L	1.1	*	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
ganic Results											
1-Methylnaphthalene	<0.29	ug/L	0.29		0.97	1		10/13/00	10/16/00	SHU	EPA 8310
ethylnaphthalene	<0.32	ug/L	0.32		1.1	1		10/13/00	10/16/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32		1.1	1		10/13/00	10/16/00	SHU	EPA 8310
enaphthylene	<0.28	ug/L	0.28		0.95	1		10/13/00	10/16/00	SHU	EPA 8310
hracene	<0.060	ug/L	0.060		0.20	1		10/13/00	10/16/00	SHU	EPA 8310
Benzo(a)anthracene	<0.011	ug/L	0.011		0.037	1		10/13/00	10/16/00	SHU	EPA 8310
nzo(a)pyrene	<0.012	ug/L	0.012		0.041	1		10/13/00	10/16/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016		0.054	1		10/13/00	10/16/00	SHU	EPA 8310
nzo(g,h,i)perylene	<0.049	ug/L	0.049		0.16	1		10/13/00	10/16/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014		0.048	1		10/13/00	10/16/00	SHU	EPA 8310
rysene	<0.051	ug/L	0.051		0.17	1		10/13/00	10/16/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090		0.30	1		10/13/00	10/16/00	SHU	EPA 8310
oranthene	<0.033	ug/L	0.033		0.11	1		10/13/00	10/16/00	SHU	EPA 8310
orene	<0.14	ug/L	0.14		0.48	1		10/13/00	10/16/00	SHU	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.041	ug/L	0.041		0.14	1		10/13/00	10/16/00	SHU	EPA 8310
phthalene	<0.30	ug/L	0.30		1.0	1		10/13/00	10/16/00	SHU	EPA 8310
Phenanthrene	<0.059	ug/L	0.059		0.20	1		10/13/00	10/16/00	SHU	EPA 8310
rene	<0.083	ug/L	0.083		0.28	1		10/13/00	10/16/00	SHU	EPA 8310
,1-Trichloroethane	<0.30	ug/L	0.30		1.1	1			10/21/00	JBB	EPA 8021
,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40		1.2	1			10/21/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42739 Sample Description: MW2 Sampled: 10/10/00 1355

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/21/00	JBB	EPA 8021
,1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/21/00	JBB	EPA 8021
3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/21/00	JBB	EPA 8021
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/21/00	JBB	EPA 8021
4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			10/21/00	JBB	EPA 8021
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/21/00	JBB	EPA 8021
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
cis-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/21/00	JBB	EPA 8021
ns-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/21/00	JBB	EPA 8021
Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
1,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
2,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/21/00	JBB	EPA 8021
hlorotoluene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
nzene	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
mobenzene	<0.50	ug/L	0.50	1.6	1			10/21/00	JBB	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			10/21/00	JBB	EPA 8021
utylbenzene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
-Butylbenzene	<0.10	ug/L	0.10	0.50	1			10/21/00	JBB	EPA 8021
Carbon tetrachloride	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
lorobenzene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
Chlorodibromomethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/21/00	JBB	EPA 8021
loroform	<0.50	ug/L	0.50	1.5	1			10/21/00	JBB	EPA 8021

CTI LAB#: 42739 Sample Description: MW2 Sampled: 10/10/00 1355

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
›romethane	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			10/21/00	JBB	EPA 8021
Isopropyl ether	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
›ylbenzene	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
Hexachlorobutadiene	<0.60	ug/L	0.60	2.1	1			10/21/00	JBB	EPA 8021
›ropylbenzene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021
p-Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			10/21/00	JBB	EPA 8021
›hyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			10/21/00	JBB	EPA 8021
Methylene chloride	<1.9	ug/L	1.9	6.3	1			10/21/00	JBB	EPA 8021
›hthalene	<0.70	ug/L	0.70	2.4	1			10/21/00	JBB	EPA 8021
n-Propylbenzene	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
Tetrachloroethene	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
›uene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021
Trichloroethene	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
›hlorofluoromethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
Vinyl chloride	7.5	ug/L	0.40	1.3	1	A		10/21/00	JBB	EPA 8021
›& p-Xylene	<0.20	ug/L	0.20	0.80	1			10/21/00	JBB	EPA 8021
o-Xylene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021

CTI LAB#: 42740 Sample Description: MW3 Sampled: 10/10/00 1310

›alyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
›alinity Total	178	mg/L	18	59	1			10/17/00	KJF	EPA 310.2
›otal Chloride	19.7	mg/L	0.65	2.15	1			10/20/00	MMC	EPA 9251
›tal COD	56	mg/L	18 *	61	1		10/24/00	10/24/00	MMC	EPA 410.4
›monia Nitrogen Total	0.350	mg/L	0.02	0.07	1			10/18/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	0.0800	mg/L	0.08 *	0.26	1			10/13/00	MMC	EPA 353.2
›tal Sulfate	13.4	mg/L	4	12	1			10/19/00	MMC	EPA 375.2
Metals Results										
›tal Arsenic	0.77	ug/L	0.5 *	1.7	1		10/13/00	10/16/00	NAH	EPA 7060
›tal Hardness	132	mg/L	0.10	0.35	1		10/13/00	10/18/00	NAH	EPA 6010

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

›olid sample results reported on a Dry Weight Basis

CTI LAB#: 42740 Sample Description: MW3 Sampled: 10/10/00 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
al Cadmium	<0.4	ug/L	0.4	1.2	1		10/13/00	10/16/00	NAH	EPA 6010B
otal Chromium	3.2	ug/L	1.1	3.6	1	*	10/13/00	10/16/00	NAH	EPA 6010B
al Lead	<1.1	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
ganic Results										
1-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		10/14/00	10/17/00	SHU	EPA 8310
ethylnaphthalene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
naphthylene	<0.28	ug/L	0.28	0.95	1		10/14/00	10/17/00	SHU	EPA 8310
racene	<0.060	ug/L	0.060	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
Benzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		10/14/00	10/17/00	SHU	EPA 8310
zo(a)pyrene	<0.012	ug/L	0.012	0.041	1		10/14/00	10/17/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		10/14/00	10/17/00	SHU	EPA 8310
zo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		10/14/00	10/17/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		10/14/00	10/17/00	SHU	EPA 8310
ysene	<0.051	ug/L	0.051	0.17	1		10/14/00	10/17/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		10/14/00	10/17/00	SHU	EPA 8310
oranthene	<0.033	ug/L	0.033	0.11	1		10/14/00	10/17/00	SHU	EPA 8310
orene	<0.14	ug/L	0.14	0.48	1		10/14/00	10/17/00	SHU	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		10/14/00	10/17/00	SHU	EPA 8310
hthalene	<0.30	ug/L	0.30	1.0	1		10/14/00	10/17/00	SHU	EPA 8310
Phenanthrene	<0.059	ug/L	0.059	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
ene	<0.083	ug/L	0.083	0.28	1		10/14/00	10/17/00	SHU	EPA 8310
clor-1016	<0.0030	ug/L	0.0030	0.0080	1		10/14/00	10/18/00	PML	EPA 8082
Aroclor-1221	<0.0020	ug/L	0.0020	0.0050	1		10/14/00	10/18/00	PML	EPA 8082
Aroclor-1232	<0.0030	ug/L	0.0030	0.0080	1		10/14/00	10/18/00	PML	EPA 8082
clor-1242	<0.0030	ug/L	0.0030	0.0080	1		10/14/00	10/18/00	PML	EPA 8082
Aroclor-1248	<0.0030	ug/L	0.0030	0.0090	1		10/14/00	10/18/00	PML	EPA 8082
clor-1254	<0.0020	ug/L	0.0020	0.0050	1		10/14/00	10/18/00	PML	EPA 8082
Aroclor-1260	<0.0030	ug/L	0.0030	0.0090	1		10/14/00	10/18/00	PML	EPA 8082
1,1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 42740 Sample Description: MW3 Sampled: 10/10/00 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
1,1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/21/00	JBB	EPA 8021
Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
1,-Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/21/00	JBB	EPA 8021
2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/21/00	JBB	EPA 8021
4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/21/00	JBB	EPA 8021
,2,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			10/21/00	JBB	EPA 8021
-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
1,2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/21/00	JBB	EPA 8021
-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
1,2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/21/00	JBB	EPA 8021
ns-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/21/00	JBB	EPA 8021
2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
1,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
-Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
1,4-Dichlorobenzene	0.57	ug/L	0.40	1.2	1	*		10/21/00	JBB	EPA 8021
-Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/21/00	JBB	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
Chlorotoluene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
nzene	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
Bromobenzene	<0.50	ug/L	0.50	1.6	1			10/21/00	JBB	EPA 8021
omodichloromethane	<0.20	ug/L	0.20	0.60	1			10/21/00	JBB	EPA 8021
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
c-Butylbenzene	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
tert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			10/21/00	JBB	EPA 8021
rbon tetrachloride	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
Chlorobenzene	2.4	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
Chlorodibromomethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
loroethane	<0.50	ug/L	0.50	1.6	1			10/21/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42740 Sample Description: MW3 Sampled: 10/10/00 1310

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
oroform	<0.50	ug/L	0.50	1.5	1			10/21/00	JBB	EPA 8021
Chloromethane	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
hlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			10/21/00	JBB	EPA 8021
D..opropyl ether	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
thylbenzene	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
H xachlorobutadiene	<0.60	ug/L	0.60	2.1	1			10/21/00	JBB	EPA 8021
sopropylbenzene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021
opropyltoluene	<0.20	ug/L	0.20	0.70	1			10/21/00	JBB	EPA 8021
Methyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			10/21/00	JBB	EPA 8021
thylene chloride	<1.9	ug/L	1.9	6.3	1			10/21/00	JBB	EPA 8021
Naphthalene	<0.70	ug/L	0.70	2.4	1			10/21/00	JBB	EPA 8021
ropylbenzene	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
T..rachloroethene	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
Toluene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021
chloroethene	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
Trichlorofluoromethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
yl chloride	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
m & p-Xylene	<0.20	ug/L	0.20	0.80	1			10/21/00	JBB	EPA 8021
Xylene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021

CTI LAB#: 42741 Sample Description: MW4 Sampled: 10/10/00 1535

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
rganic Results										
Alkalinity Total	371	mg/L	18	59	1			10/17/00	KJF	EPA 310.2
tal Chloride	18.8	mg/L	0.65	2.15	1			10/20/00	MMC	EPA 9251
tal COD	130	mg/L	18	61	1		10/24/00	10/24/00	MMC	EPA 410.4
Ammonia Nitrogen Total	1.13	mg/L	0.02	0.07	1			10/18/00	AAK	EPA 350.1
rate + Nitrite Nitrogen	0.110	mg/L	0.08 *	0.26	1			10/13/00	MMC	EPA 353.2
Total Sulfate	8.35	mg/L	4 *	12	1			10/19/00	MMC	EPA 375.2
etals Results										
otal Arsenic	6.3	ug/L	0.5	1.7	1		10/13/00	10/16/00	NAH	EPA 7060

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 42741 Sample Description: MW4 Sampled: 10/10/00 1535

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
al Hardness	184	mg/L	0.10	0.35	1		10/13/00	10/18/00	NAH	EPA 6010
Total Cadmium	<0.4	ug/L	0.4	1.2	1		10/13/00	10/16/00	NAH	EPA 6010B
al Chromium	43.6	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
Total Lead	<1.1	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
Organic Results										
ethylnaphthalene	2.4	ug/L	0.29	0.97	1		10/14/00	10/17/00	SHU	EPA 8310
2-Methylnaphthalene	6.6	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
naphthene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
Acenaphthylene	<0.28	ug/L	0.28	0.95	1		10/14/00	10/17/00	SHU	EPA 8310
hracene	<0.060	ug/L	0.060	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		10/14/00	10/17/00	SHU	EPA 8310
Benzo(a)pyrene	0.015	ug/L	0.012 *	0.041	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		10/14/00	10/17/00	SHU	EPA 8310
Benzo(g,h,i)perylene	0.13	ug/L	0.049 *	0.16	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		10/14/00	10/17/00	SHU	EPA 8310
Chrysene	<0.051	ug/L	0.051	0.17	1		10/14/00	10/17/00	SHU	EPA 8310
enzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		10/14/00	10/17/00	SHU	EPA 8310
Fluoranthene	0.062	ug/L	0.033 *	0.11	1		10/14/00	10/17/00	SHU	EPA 8310
orene	<0.14	ug/L	0.14	0.48	1		10/14/00	10/17/00	SHU	EPA 8310
eno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		10/14/00	10/17/00	SHU	EPA 8310
Naphthalene	14	ug/L	0.30	1.0	1		10/14/00	10/17/00	SHU	EPA 8310
enanthrene	<0.059	ug/L	0.059	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
Pyrene	<0.083	ug/L	0.083	0.28	1		10/14/00	10/17/00	SHU	EPA 8310
Aroclor-1016	<0.0030	ug/L	0.0030	0.0080	1		10/14/00	10/18/00	PML	EPA 8082
oclor-1221	<0.0020	ug/L	0.0020	0.0050	1		10/14/00	10/18/00	PML	EPA 8082
Aroclor-1232	<0.0030	ug/L	0.0030	0.0080	1		10/14/00	10/18/00	PML	EPA 8082
Aroclor-1242	<0.0030	ug/L	0.0030	0.0080	1		10/14/00	10/18/00	PML	EPA 8082
oclor-1248	<0.0030	ug/L	0.0030	0.0090	1		10/14/00	10/18/00	PML	EPA 8082
Aroclor-1254	<0.0020	ug/L	0.0020	0.0050	1		10/14/00	10/18/00	PML	EPA 8082
oclor-1260	<0.0030	ug/L	0.0030	0.0090	1		10/14/00	10/18/00	PML	EPA 8082

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42741 Sample Description: MW4 Sampled: 10/10/00 1535

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
l-Trichloroethane	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
1,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/21/00	JBB	EPA 8021
1, Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
-Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/21/00	JBB	EPA 8021
3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/21/00	JBB	EPA 8021
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/21/00	JBB	EPA 8021
4-Trimethylbenzene	35	ug/L	0.20	0.70	1			10/21/00	JBB	EPA 8021
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
-Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/21/00	JBB	EPA 8021
1,2-Dichlorobenzene	2.6	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
c 1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/21/00	JBB	EPA 8021
ns-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/21/00	JBB	EPA 8021
-Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
1 3,5-Trimethylbenzene	16	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
-Dichlorobenzene	4.5	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
1,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
-Dichlorobenzene	19	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
2,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/21/00	JBB	EPA 8021
Chlorotoluene	1.2	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
Chlorotoluene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
enzene	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
omobenzene	<0.50	ug/L	0.50	1.6	1			10/21/00	JBB	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			10/21/00	JBB	EPA 8021
Butylbenzene	10	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
sec-Butylbenzene	1.0	ug/L	0.30	1.1	1	*		10/21/00	JBB	EPA 8021
t-Butylbenzene	<0.10	ug/L	0.10	0.50	1			10/21/00	JBB	EPA 8021
Carbon tetrachloride	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
hlorobenzene	28	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
hlorodibromomethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42741 Sample Description: MW4 Sampled: 10/10/00 1535

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
oroethane	<0.50	ug/L	0.50	1.6	1			10/21/00	JBB	EPA 8021
Chloroform	<0.50	ug/L	0.50	1.5	1			10/21/00	JBB	EPA 8021
oromethane	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
hlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			10/21/00	JBB	EPA 8021
sopropyl ether	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
ylbenzene	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
exachlorobutadiene	<0.60	ug/L	0.60	2.1	1			10/21/00	JBB	EPA 8021
opropylbenzene	3.9	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021
p-Isopropyltoluene	1.9	ug/L	0.20	0.70	1			10/21/00	JBB	EPA 8021
thyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			10/21/00	JBB	EPA 8021
Methylene chloride	<1.9	ug/L	1.9	6.3	1			10/21/00	JBB	EPA 8021
phthalene	23	ug/L	0.70	2.4	1	A		10/21/00	JBB	EPA 8021
ropylbenzene	5.8	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
etrachloroethene	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
uene	1.6	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021
richloroethene	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
chlorofluoromethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
Vinyl chloride	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
& p-Xylene	4.3	ug/L	0.20	0.80	1			10/21/00	JBB	EPA 8021
o-Xylene	9.6	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021

CTI LAB#: 42742 Sample Description: MW4A Sampled: 10/10/00 1520

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
lkalinity Total	417	mg/L	18	59	1			10/17/00	KJF	EPA 310.2
tal Chloride	7.97	mg/L	0.65	2.15	1			10/20/00	MMC	EPA 9251
Total COD	44	mg/L	18 *	61	1		10/24/00	10/24/00	MMC	EPA 410.4
mmonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			10/18/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	0.0800	mg/L	0.08 *	0.26	1			10/13/00	MMC	EPA 353.2
tal Sulfate	<4	mg/L	4	12	1			10/19/00	MMC	EPA 375.2
Metals Results										

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 42742 Sample Description: MW4A Sampled: 10/10/00 1520

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
al Arsenic	4.2	ug/L	0.5	1.7	1		10/16/00	10/16/00	NAH	EPA 7060
al Hardness	352	mg/L	0.10	0.35	1		10/13/00	10/18/00	NAH	EPA 6010
tal Cadmium	<0.4	ug/L	0.4	1.2	1		10/13/00	10/16/00	NAH	EPA 6010B
al Chromium	5.3	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
tal Lead	<1.1	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
ganic Results										
1-ethylnaphthalene	<0.29	ug/L	0.29	0.97	1		10/14/00	10/17/00	SHU	EPA 8310
ethylnaphthalene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
enaphthene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
enaphthylene	<0.28	ug/L	0.28	0.95	1		10/14/00	10/17/00	SHU	EPA 8310
hracene	<0.060	ug/L	0.060	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		10/14/00	10/17/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		10/14/00	10/17/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		10/14/00	10/17/00	SHU	EPA 8310
rysene	<0.051	ug/L	0.051	0.17	1		10/14/00	10/17/00	SHU	EPA 8310
enzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		10/14/00	10/17/00	SHU	EPA 8310
uoranthene	0.13	ug/L	0.033	0.11	1		10/14/00	10/17/00	SHU	EPA 8310
orene	<0.14	ug/L	0.14	0.48	1		10/14/00	10/17/00	SHU	EPA 8310
deno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		10/14/00	10/17/00	SHU	EPA 8310
phthalene	<0.30	ug/L	0.30	1.0	1		10/14/00	10/17/00	SHU	EPA 8310
Phenanthrene	<0.059	ug/L	0.059	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
rene	<0.083	ug/L	0.083	0.28	1		10/14/00	10/17/00	SHU	EPA 8310
l,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
l,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/21/00	JBB	EPA 8021
-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/21/00	JBB	EPA 8021
,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/21/00	JBB	EPA 8021
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/21/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

lid sample results reported on a Dry Weight Basis

CTI LAB#: 42742 Sample Description: MW4A Sampled: 10/10/00 1520

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
2,4-Trimethylbenzene	0.41	ug/L	0.20 *	0.70	1			10/21/00	JBB	EPA 8021
1 Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
,2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/21/00	JBB	EPA 8021
1 -Dichlorobenzene	10	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
,2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/21/00	JBB	EPA 8021
rans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/21/00	JBB	EPA 8021
-Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
1,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
1 -Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
,4-Dichlorobenzene	1.6	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
2 -Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/21/00	JBB	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
hlorotoluene	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
mobenzene	<0.50	ug/L	0.50	1.6	1			10/21/00	JBB	EPA 8021
modichloromethane	<0.20	ug/L	0.20	0.60	1			10/21/00	JBB	EPA 8021
n-Butylbenzene	5.9	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
-Butylbenzene	0.68	ug/L	0.30 *	1.1	1			10/21/00	JBB	EPA 8021
ert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			10/21/00	JBB	EPA 8021
rbon tetrachloride	<0.30	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
Chlorobenzene	1.2	ug/L	0.30	1.0	1			10/21/00	JBB	EPA 8021
lorodibromomethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/21/00	JBB	EPA 8021
loroform	<0.50	ug/L	0.50	1.5	1			10/21/00	JBB	EPA 8021
loromethane	<0.30	ug/L	0.30	1.1	1			10/21/00	JBB	EPA 8021
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			10/21/00	JBB	EPA 8021
sopropyl ether	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
Ethylbenzene	<0.10	ug/L	0.10	0.30	1			10/21/00	JBB	EPA 8021
xachlorobutadiene	<0.60	ug/L	0.60	2.1	1			10/21/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

lid sample results reported on a Dry Weight Basis

CTI LAB#: 42742 Sample Description: MW4A Sampled: 10/10/00 1520

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
ropylbenzene	1.2	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021
opropyltoluene	<0.20	ug/L	0.20	0.70	1			10/21/00	JBB	EPA 8021
ethyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			10/21/00	JBB	EPA 8021
thylene chloride	<1.9	ug/L	1.9	6.3	1			10/21/00	JBB	EPA 8021
laphthalene	2.0	ug/L	0.70 *	2.4	1	A		10/21/00	JBB	EPA 8021
ropylbenzene	0.31	ug/L	0.30 *	0.90	1			10/21/00	JBB	EPA 8021
etrachloroethene	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
uene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021
chloroethene	<0.30	ug/L	0.30	0.90	1			10/21/00	JBB	EPA 8021
chlorofluoromethane	<0.40	ug/L	0.40	1.2	1			10/21/00	JBB	EPA 8021
yl chloride	<0.40	ug/L	0.40	1.3	1			10/21/00	JBB	EPA 8021
& p-Xylene	<0.20	ug/L	0.20	0.80	1			10/21/00	JBB	EPA 8021
ylene	<0.10	ug/L	0.10	0.40	1			10/21/00	JBB	EPA 8021

CTI LAB#: 42743 Sample Description: MW5 Sampled: 10/10/00 1500

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
rganic Results										
Alkalinity Total	497	mg/L	18	59	1			10/17/00	KJF	EPA 310.2
al Chloride	7.95	mg/L	0.65	2.15	1			10/20/00	MMC	EPA 9251
Total COD	50	mg/L	18 *	61	1		10/24/00	10/24/00	MMC	EPA 410.4
monia Nitrogen Total	0.140	mg/L	0.02	0.07	1			10/18/00	AAK	EPA 350.1
rate + Nitrite Nitrogen	0.100	mg/L	0.08 *	0.26	1			10/13/00	MMC	EPA 353.2
tal Sulfate	<4	mg/L	4	12	1			10/19/00	MMC	EPA 375.2
tals Results										
Total Arsenic	2.2	ug/L	0.5	1.7	1		10/16/00	10/16/00	NAH	EPA 7060
tal Hardness	442	mg/L	0.10	0.35	1		10/13/00	10/18/00	NAH	EPA 6010
Total Cadmium	<0.4	ug/L	0.4	1.2	1		10/13/00	10/16/00	NAH	EPA 6010B
tal Chromium	6.6	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
tal Lead	7.3	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
Organic Results										
Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		10/14/00	10/17/00	SHU	EPA 8310
2-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

lid sample results reported on a Dry Weight Basis

CTI LAB#: 42743 Sample Description: MW5 Sampled: 10/10/00 1500

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
enaphthene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
Acenaphthylene	<0.28	ug/L	0.28	0.95	1		10/14/00	10/17/00	SHU	EPA 8310
hracene	<0.060	ug/L	0.060	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
E nzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		10/14/00	10/17/00	SHU	EPA 8310
Chrysene	<0.051	ug/L	0.051	0.17	1		10/14/00	10/17/00	SHU	EPA 8310
enzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		10/14/00	10/17/00	SHU	EPA 8310
Fluoranthene	<0.033	ug/L	0.033	0.11	1		10/14/00	10/17/00	SHU	EPA 8310
orene	<0.14	ug/L	0.14	0.48	1		10/14/00	10/17/00	SHU	EPA 8310
I eno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		10/14/00	10/17/00	SHU	EPA 8310
phthalene	2.9	ug/L	0.30	1.0	1		10/14/00	10/17/00	SHU	EPA 8310
r enanthrene	<0.059	ug/L	0.059	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
P rene	<0.083	ug/L	0.083	0.28	1		10/14/00	10/17/00	SHU	EPA 8310
1,1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
1, ,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/22/00	JBB	EPA 8021
l-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
-Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/22/00	JBB	EPA 8021
2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/22/00	JBB	EPA 8021
1,2,4-Trimethylbenzene	3.9	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
1,2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/22/00	JBB	EPA 8021
-Dichlorobenzene	0.92	ug/L	0.30	* 1.1	1			10/22/00	JBB	EPA 8021
-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
s-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/22/00	JBB	EPA 8021
t ns-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/22/00	JBB	EPA 8021

CTI LAB#: 42743 Sample Description: MW5 Sampled: 10/10/00 1500

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
5-Trimethylbenzene	0.59	ug/L	0.30 *	1.0	1			10/22/00	JBB	EPA 8021
-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
-Dichlorobenzene	2.2	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
Chlorotoluene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
hlorotoluene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
mobenzene	<0.50	ug/L	0.50	1.6	1			10/22/00	JBB	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			10/22/00	JBB	EPA 8021
Butylbenzene	4.7	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
s-Butylbenzene	0.64	ug/L	0.30 *	1.1	1			10/22/00	JBB	EPA 8021
t-Butylbenzene	<0.10	ug/L	0.10	0.50	1			10/22/00	JBB	EPA 8021
bon tetrachloride	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Chlorobenzene	1.7	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
orodibromomethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/22/00	JBB	EPA 8021
loroform	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
oromethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
chlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			10/22/00	JBB	EPA 8021
opropyl ether	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
hylbenzene	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
xachlorobutadiene	<0.60	ug/L	0.60	2.1	1			10/22/00	JBB	EPA 8021
opropylbenzene	0.82	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021
opropyltoluene	<0.20	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
thyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			10/22/00	JBB	EPA 8021
ethylene chloride	<1.9	ug/L	1.9	6.3	1			10/22/00	JBB	EPA 8021
phthalene	6.1	ug/L	0.70	2.4	1	A		10/22/00	JBB	EPA 8021
Propylbenzene	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
rachloroethene	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

lid sample results reported on a Dry Weight Basis

CTI LAB#: 42743 Sample Description: MW5 Sampled: 10/10/00 1500

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
uene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021
hloroethene	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
richlorofluoromethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
yl chloride	2.7	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
& p-Xylene	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
ylene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021

CTI LAB#: 42744 Sample Description: MW6 Sampled: 10/10/00 1600

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
rganic Results										
lkalinity Total	217	mg/L	18	59	1			10/17/00	KJF	EPA 310.2
al Chloride	1.26	mg/L	0.65 *	2.15	1			10/20/00	MMC	EPA 9251
otal COD	27	mg/L	18 *	61	1		10/24/00	10/24/00	MMC	EPA 410.4
monia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			10/18/00	AAK	EPA 350.1
ate + Nitrite Nitrogen	0.100	mg/L	0.08 *	0.26	1			10/13/00	MMC	EPA 353.2
otal Sulfate	<4	mg/L	4	12	1			10/19/00	MMC	EPA 375.2
tals Results										
otal Arsenic	2.7	ug/L	0.5	1.7	1		10/16/00	10/16/00	NAH	EPA 7060
al Hardness	197	mg/L	0.10	0.35	1		10/13/00	10/18/00	NAH	EPA 6010
al Cadmium	<0.4	ug/L	0.4	1.2	1		10/13/00	10/16/00	NAH	EPA 6010B
otal Chromium	3.8	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
al Lead	<1.1	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
rganic Results										
Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		10/14/00	10/17/00	SHU	EPA 8310
2-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
enaphthene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
enaphthylene	<0.28	ug/L	0.28	0.95	1		10/14/00	10/17/00	SHU	EPA 8310
nthracene	<0.060	ug/L	0.060	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		10/14/00	10/17/00	SHU	EPA 8310
enzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		10/14/00	10/17/00	SHU	EPA 8310
enzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		10/14/00	10/17/00	SHU	EPA 8310

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

lid sample results reported on a Dry Weight Basis

CTI LAB#: 42744 Sample Description: MW6 Sampled: 10/10/00 1600

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
zo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		10/14/00	10/17/00	SHU	EPA 8310
Chrysene	<0.051	ug/L	0.051	0.17	1		10/14/00	10/17/00	SHU	EPA 8310
enzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		10/14/00	10/17/00	SHU	EPA 8310
F oranthene	<0.033	ug/L	0.033	0.11	1		10/14/00	10/17/00	SHU	EPA 8310
orene	<0.14	ug/L	0.14	0.48	1		10/14/00	10/17/00	SHU	EPA 8310
eno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		10/14/00	10/17/00	SHU	EPA 8310
phthalene	<0.30	ug/L	0.30	1.0	1		10/14/00	10/17/00	SHU	EPA 8310
enanthrene	<0.059	ug/L	0.059	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
Pyrene	<0.083	ug/L	0.083	0.28	1		10/14/00	10/17/00	SHU	EPA 8310
1, ,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
1 ,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/22/00	JBB	EPA 8021
1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
-Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/22/00	JBB	EPA 8021
1 2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/22/00	JBB	EPA 8021
1,2,4-Trimethylbenzene	2.1	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
-Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/22/00	JBB	EPA 8021
2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
s-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/22/00	JBB	EPA 8021
ns-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/22/00	JBB	EPA 8021
1 2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
1,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
-Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
-Dichlorobenzene	0.55	ug/L	0.40	1.2	1	*		10/22/00	JBB	EPA 8021
2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
Chlorotoluene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42744 Sample Description: MW6 Sampled: 10/10/00 1600

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
hlorotoluene	<0.30	ug/L	0.30		1.0	1			10/22/00	JBB	EPA 8021
Benzene	<0.10	ug/L	0.10		0.30	1			10/22/00	JBB	EPA 8021
mobenzene	<0.50	ug/L	0.50		1.6	1			10/22/00	JBB	EPA 8021
modichloromethane	<0.20	ug/L	0.20		0.60	1			10/22/00	JBB	EPA 8021
n-Butylbenzene	1.3	ug/L	0.40		1.2	1			10/22/00	JBB	EPA 8021
-Butylbenzene	0.54	ug/L	0.30	*	1.1	1			10/22/00	JBB	EPA 8021
tert-Butylbenzene	<0.10	ug/L	0.10		0.50	1			10/22/00	JBB	EPA 8021
bon tetrachloride	<0.30	ug/L	0.30		1.0	1			10/22/00	JBB	EPA 8021
Chlorobenzene	<0.30	ug/L	0.30		1.0	1			10/22/00	JBB	EPA 8021
lorodibromomethane	<0.40	ug/L	0.40		1.2	1			10/22/00	JBB	EPA 8021
hloroethane	<0.50	ug/L	0.50		1.6	1			10/22/00	JBB	EPA 8021
loroform	<0.50	ug/L	0.50		1.5	1			10/22/00	JBB	EPA 8021
loromethane	<0.30	ug/L	0.30		1.1	1			10/22/00	JBB	EPA 8021
Dichlorodifluoromethane	<0.50	ug/L	0.50		1.8	1			10/22/00	JBB	EPA 8021
opropyl ether	<0.10	ug/L	0.10		0.30	1			10/22/00	JBB	EPA 8021
Ethylbenzene	<0.10	ug/L	0.10		0.30	1			10/22/00	JBB	EPA 8021
xachlorobutadiene	<0.60	ug/L	0.60		2.1	1			10/22/00	JBB	EPA 8021
sopropylbenzene	0.84	ug/L	0.10		0.40	1			10/22/00	JBB	EPA 8021
opropyltoluene	<0.20	ug/L	0.20		0.70	1			10/22/00	JBB	EPA 8021
ethyl tert-butyl ether	<1.1	ug/L	1.1		3.7	1			10/22/00	JBB	EPA 8021
thylene chloride	<1.9	ug/L	1.9		6.3	1			10/22/00	JBB	EPA 8021
phthalene	1.3	ug/L	0.70	*	2.4	1	A		10/22/00	JBB	EPA 8021
n-Propylbenzene	0.59	ug/L	0.30	*	0.90	1			10/22/00	JBB	EPA 8021
trachloroethene	<0.40	ug/L	0.40		1.3	1			10/22/00	JBB	EPA 8021
Toluene	<0.10	ug/L	0.10		0.40	1			10/22/00	JBB	EPA 8021
chloroethene	<0.30	ug/L	0.30		0.90	1			10/22/00	JBB	EPA 8021
richlorofluoromethane	<0.40	ug/L	0.40		1.2	1			10/22/00	JBB	EPA 8021
yl chloride	<0.40	ug/L	0.40		1.3	1			10/22/00	JBB	EPA 8021
& p-Xylene	<0.20	ug/L	0.20		0.80	1			10/22/00	JBB	EPA 8021
Xylene	<0.10	ug/L	0.10		0.40	1			10/22/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

lid sample results reported on a Dry Weight Basis

CTI LAB#: 42745 Sample Description: MW7 Sampled: 10/10/00 1630

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
rganic Results										
alinity Total	37.6	mg/L	18 *	59	1			10/17/00	KJF	EPA 310.2
tal Chloride	0.818	mg/L	0.65 *	2.15	1			10/20/00	MMC	EPA 9251
al COD	<18	mg/L	18	61	1		10/24/00	10/24/00	MMC	EPA 410.4
Ammonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			10/18/00	AAK	EPA 350.1
ate + Nitrite Nitrogen	0.130	mg/L	0.08 *	0.26	1			10/13/00	MMC	EPA 353.2
Total Sulfate	9.15	mg/L	4 *	12	1			10/19/00	MMC	EPA 375.2
tals Results										
al Arsenic	0.76	ug/L	0.5 *	1.7	1		10/16/00	10/16/00	NAH	EPA 7060
tal Hardness	74.1	mg/L	0.10	0.35	1		10/13/00	10/18/00	NAH	EPA 6010
al Cadmium	<0.4	ug/L	0.4	1.2	1		10/13/00	10/16/00	NAH	EPA 6010B
Total Chromium	2.8	ug/L	1.1 *	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
al Lead	3.4	ug/L	1.1 *	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
Organic Results										
Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		10/14/00	10/17/00	SHU	EPA 8310
Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/17/00	SHU	EPA 8310
enaphthylene	<0.28	ug/L	0.28	0.95	1		10/14/00	10/17/00	SHU	EPA 8310
Anthracene	<0.060	ug/L	0.060	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		10/14/00	10/17/00	SHU	EPA 8310
Benzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		10/14/00	10/17/00	SHU	EPA 8310
nzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		10/14/00	10/17/00	SHU	EPA 8310
enzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		10/14/00	10/17/00	SHU	EPA 8310
rysene	<0.051	ug/L	0.051	0.17	1		10/14/00	10/17/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		10/14/00	10/17/00	SHU	EPA 8310
uoranthene	<0.033	ug/L	0.033	0.11	1		10/14/00	10/17/00	SHU	EPA 8310
Fluorene	<0.14	ug/L	0.14	0.48	1		10/14/00	10/17/00	SHU	EPA 8310
leno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		10/14/00	10/17/00	SHU	EPA 8310
Naphthalene	<0.30	ug/L	0.30	1.0	1		10/14/00	10/17/00	SHU	EPA 8310
enanthrene	<0.059	ug/L	0.059	0.20	1		10/14/00	10/17/00	SHU	EPA 8310
rene	<0.083	ug/L	0.083	0.28	1		10/14/00	10/17/00	SHU	EPA 8310

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42745 Sample Description: MW7 Sampled: 10/10/00 1630

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
1,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/22/00	JBB	EPA 8021
,-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
1,1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/22/00	JBB	EPA 8021
3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/22/00	JBB	EPA 8021
4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
-Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/22/00	JBB	EPA 8021
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/22/00	JBB	EPA 8021
trans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/22/00	JBB	EPA 8021
-Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
1,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
2,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
Chlorotoluene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
Chlorotoluene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
mobenzene	<0.50	ug/L	0.50	1.6	1			10/22/00	JBB	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			10/22/00	JBB	EPA 8021
Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
t-Butylbenzene	<0.10	ug/L	0.10	0.50	1			10/22/00	JBB	EPA 8021
Carbon tetrachloride	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
lorodibromomethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42745 Sample Description: MW7 Sampled: 10/10/00 1630

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
oroethane	<0.50	ug/L	0.50	1.6	1			10/22/00	JBB	EPA 8021
loroform	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
oromethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
hlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			10/22/00	JBB	EPA 8021
Diisopropyl ether	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
ylbenzene	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
Hexachlorobutadiene	<0.60	ug/L	0.60	2.1	1			10/22/00	JBB	EPA 8021
opropylbenzene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021
p-Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
thyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			10/22/00	JBB	EPA 8021
ethylene chloride	<1.9	ug/L	1.9	6.3	1			10/22/00	JBB	EPA 8021
phthalene	<0.70	ug/L	0.70	2.4	1			10/22/00	JBB	EPA 8021
ropylbenzene	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
Tetrachloroethene	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
uene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021
Trichloroethene	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
chlorofluoromethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
Vinyl chloride	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
& p-Xylene	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
Xylene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021

CTI LAB#: 42746 Sample Description: MW8 Sampled: 10/10/00 1435

alyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
alinity Total	<18	mg/L	18	59	1			10/17/00	KJF	EPA 310.2
tal Chloride	0.786	mg/L	0.65 *	2.15	1			10/20/00	MMC	EPA 9251
Total COD	20	mg/L	18 *	61	1		10/24/00	10/24/00	MMC	EPA 410.4
monia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			10/18/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	0.110	mg/L	0.08 *	0.26	1			10/13/00	MMC	EPA 353.2
tal Sulfate	4.77	mg/L	4 *	12	1			10/19/00	MMC	EPA 375.2
Metals Results										

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 42746 Sample Description: MW8 Sampled: 10/10/00 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
al Arsenic	1.5	ug/L	0.5 *	1.7	1		10/16/00	10/16/00	NAH	EPA 7060
otal Hardness	13.7	mg/L	0.10	0.35	1		10/13/00	10/18/00	NAH	EPA 6010
al Cadmium	1.9	ug/L	0.4	1.2	1		10/13/00	10/16/00	NAH	EPA 6010B
al Chromium	7.0	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
Total Lead	14.2	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
ganic Results										
1-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		10/14/00	10/18/00	SHU	EPA 8310
lethylnaphthalene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/18/00	SHU	EPA 8310
enaphthene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/18/00	SHU	EPA 8310
enaphthylene	<0.28	ug/L	0.28	0.95	1		10/14/00	10/18/00	SHU	EPA 8310
hracene	<0.060	ug/L	0.060	0.20	1		10/14/00	10/18/00	SHU	EPA 8310
Benzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		10/14/00	10/18/00	SHU	EPA 8310
nzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		10/14/00	10/18/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		10/14/00	10/18/00	SHU	EPA 8310
nzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		10/14/00	10/18/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		10/14/00	10/18/00	SHU	EPA 8310
rysene	<0.051	ug/L	0.051	0.17	1		10/14/00	10/18/00	SHU	EPA 8310
enzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		10/14/00	10/18/00	SHU	EPA 8310
oranthene	<0.033	ug/L	0.033	0.11	1		10/14/00	10/18/00	SHU	EPA 8310
orene	<0.14	ug/L	0.14	0.48	1		10/14/00	10/18/00	SHU	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		10/14/00	10/18/00	SHU	EPA 8310
phthalene	<0.30	ug/L	0.30	1.0	1		10/14/00	10/18/00	SHU	EPA 8310
Phenanthrene	<0.059	ug/L	0.059	0.20	1		10/14/00	10/18/00	SHU	EPA 8310
rene	<0.083	ug/L	0.083	0.28	1		10/14/00	10/18/00	SHU	EPA 8310
,1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
1,1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/22/00	JBB	EPA 8021
-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
1,1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/22/00	JBB	EPA 8021
,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/22/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 42746 Sample Description: MW8 Sampled: 10/10/00 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
?-Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/22/00	JBB	EPA 8021
-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
1,2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/22/00	JBB	EPA 8021
trans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/22/00	JBB	EPA 8021
-Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
-Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
1,4-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
-Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
hlorotoluene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
mobenzene	<0.50	ug/L	0.50	1.6	1			10/22/00	JBB	EPA 8021
modichloromethane	<0.20	ug/L	0.20	0.60	1			10/22/00	JBB	EPA 8021
Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
-Butylbenzene	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
tert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			10/22/00	JBB	EPA 8021
rbon tetrachloride	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
lorodibromomethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/22/00	JBB	EPA 8021
loroform	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
loromethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
hlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			10/22/00	JBB	EPA 8021
sopropyl ether	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
Ethylbenzene	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
xachlorobutadiene	<0.60	ug/L	0.60	2.1	1			10/22/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

lid sample results reported on a Dry Weight Basis

CTI LAB#: 42746 Sample Description: MW8 Sampled: 10/10/00 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
ropylbenzene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021
p .sopropyltoluene	<0.20	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
ethyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			10/22/00	JBB	EPA 8021
thylene chloride	<1.9	ug/L	1.9	6.3	1			10/22/00	JBB	EPA 8021
Naphthalene	<0.70	ug/L	0.70	2.4	1			10/22/00	JBB	EPA 8021
ropylbenzene	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
Tetrachloroethene	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
uene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021
Trichloroethene	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
chlorofluoromethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
yl chloride	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
& p-Xylene	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
ylene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021

CTI LAB#: 42747 Sample Description: MW9 Sampled: 10/10/00 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Alkalinity Total	48.4	mg/L	18 *	59	1			10/18/00	KJF	EPA 310.2
al Chloride	4.71	mg/L	0.65	2.15	1			10/20/00	MMC	EPA 9251
Total COD	26	mg/L	18 *	61	1		10/24/00	10/24/00	MMC	EPA 410.4
monia Nitrogen Total	0.0500	mg/L	0.02 *	0.07	1			10/18/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	0.100	mg/L	0.08 *	0.26	1			10/13/00	MMC	EPA 353.2
al Sulfate	15.8	mg/L	4	12	1			10/19/00	MMC	EPA 375.2
tals Results										
Total Arsenic	11.4	ug/L	0.5	1.7	1		10/16/00	10/16/00	NAH	EPA 7060
al Hardness	267	mg/L	0.10	0.35	1		10/13/00	10/18/00	NAH	EPA 6010
Total Cadmium	<0.4	ug/L	0.4	1.2	1		10/13/00	10/16/00	NAH	EPA 6010B
al Chromium	77.7	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
otal Lead	3.8	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
Organic Results										
Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		10/14/00	10/18/00	SHU	EPA 8310
2-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/18/00	SHU	EPA 8310

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

lid sample results reported on a Dry Weight Basis

CTI LAB#: 42747 Sample Description: MW9 Sampled: 10/10/00 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
enaphthene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/18/00	SHU	EPA 8310
naphthylene	<0.28	ug/L	0.28	0.95	1		10/14/00	10/18/00	SHU	EPA 8310
thracene	<0.060	ug/L	0.060	0.20	1		10/14/00	10/18/00	SHU	EPA 8310
nzo(a)anthracene	0.012	ug/L	0.011 *	0.037	1		10/14/00	10/18/00	SHU	EPA 8310
Benzo(a)pyrene	0.014	ug/L	0.012 *	0.041	1		10/14/00	10/18/00	SHU	EPA 8310
nzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		10/14/00	10/18/00	SHU	EPA 8310
Benzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		10/14/00	10/18/00	SHU	EPA 8310
nzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		10/14/00	10/18/00	SHU	EPA 8310
C..ysene	<0.051	ug/L	0.051	0.17	1		10/14/00	10/18/00	SHU	EPA 8310
enzo(a,h)anthracene	0.70	ug/L	0.090	0.30	1		10/14/00	10/18/00	SHU	EPA 8310
oranthene	<0.033	ug/L	0.033	0.11	1		10/14/00	10/18/00	SHU	EPA 8310
Fl..orene	<0.14	ug/L	0.14	0.48	1		10/14/00	10/18/00	SHU	EPA 8310
eno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		10/14/00	10/18/00	SHU	EPA 8310
Naphthalene	<0.30	ug/L	0.30	1.0	1		10/14/00	10/18/00	SHU	EPA 8310
enanthrene	<0.059	ug/L	0.059	0.20	1		10/14/00	10/18/00	SHU	EPA 8310
Pyrene	<0.083	ug/L	0.083	0.28	1		10/14/00	10/18/00	SHU	EPA 8310
,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/22/00	JBB	EPA 8021
1,1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
-Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/22/00	JBB	EPA 8021
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/22/00	JBB	EPA 8021
1,2,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
-Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/22/00	JBB	EPA 8021
2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
cis-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/22/00	JBB	EPA 8021
ns-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/22/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

id sample results reported on a Dry Weight Basis

CTI LAB#: 42747 Sample Description: MW9 Sampled: 10/10/00 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
1,4-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
hlorotoluene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
mobenzene	<0.50	ug/L	0.50	1.6	1			10/22/00	JBB	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			10/22/00	JBB	EPA 8021
utylbenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
ec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
tert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			10/22/00	JBB	EPA 8021
bon tetrachloride	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
orodibromomethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/22/00	JBB	EPA 8021
oroform	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
Chloromethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
hlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			10/22/00	JBB	EPA 8021
isopropyl ether	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
Ethylbenzene	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
xachlorobutadiene	<0.60	ug/L	0.60	2.1	1			10/22/00	JBB	EPA 8021
Isopropylbenzene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021
sopropyltoluene	<0.20	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
Methyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			10/22/00	JBB	EPA 8021
thylene chloride	<1.9	ug/L	1.9	6.3	1			10/22/00	JBB	EPA 8021
Naphthalene	<0.70	ug/L	0.70	2.4	1			10/22/00	JBB	EPA 8021
Propylbenzene	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
Tetrachloroethene	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42747 Sample Description: MW9 Sampled: 10/10/00 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
ene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021
hloroethene	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
Trichlorofluoromethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
l chloride	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
m & p-Xylene	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
lene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021

CTI LAB#: 42748 Sample Description: MW10 Sampled: 10/10/00 1650

lyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
rganic Results										
Alkalinity Total	211	mg/L	18	59	1			10/17/00	KJF	EPA 310.2
al Chloride	1.24	mg/L	0.65 *	2.15	1			10/20/00	MMC	EPA 9251
Total COD	<18	mg/L	18	61	1		10/24/00	10/24/00	MMC	EPA 410.4
monia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			10/18/00	AAK	EPA 350.1
ate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			10/13/00	MMC	EPA 353.2
Total Sulfate	13.3	mg/L	4	12	1			10/19/00	MMC	EPA 375.2
tals Results										
Total Arsenic	8.0	ug/L	0.5	1.7	1		10/17/00	10/18/00	NAH	EPA 7060
al Hardness	253	mg/L	0.10	0.35	1		10/13/00	10/18/00	NAH	EPA 6010
al Cadmium	<0.4	ug/L	0.4	1.2	1		10/13/00	10/16/00	NAH	EPA 6010B
tal Chromium	50.4	ug/L	1.1	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
al Lead	2.5	ug/L	1.1 *	3.6	1		10/13/00	10/16/00	NAH	EPA 6010B
Organic Results										
Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		10/14/00	10/18/00	SHU	EPA 8310
2-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/18/00	SHU	EPA 8310
enaphthene	<0.32	ug/L	0.32	1.1	1		10/14/00	10/18/00	SHU	EPA 8310
enaphthylene	<0.28	ug/L	0.28	0.95	1		10/14/00	10/18/00	SHU	EPA 8310
Anthracene	<0.060	ug/L	0.060	0.20	1		10/14/00	10/18/00	SHU	EPA 8310
nzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		10/14/00	10/18/00	SHU	EPA 8310
Benzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		10/14/00	10/18/00	SHU	EPA 8310
nzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		10/14/00	10/18/00	SHU	EPA 8310
Benzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		10/14/00	10/18/00	SHU	EPA 8310

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

lid sample results reported on a Dry Weight Basis

CTI LAB#: 42748 Sample Description: MW10 Sampled: 10/10/00 1650

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
zo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		10/14/00	10/18/00	SHU	EPA 8310
Chrysene	<0.051	ug/L	0.051	0.17	1		10/14/00	10/18/00	SHU	EPA 8310
nzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		10/14/00	10/18/00	SHU	EPA 8310
Fluoranthene	<0.033	ug/L	0.033	0.11	1		10/14/00	10/18/00	SHU	EPA 8310
rene	<0.14	ug/L	0.14	0.48	1		10/14/00	10/18/00	SHU	EPA 8310
no(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		10/14/00	10/18/00	SHU	EPA 8310
Naphthalene	<0.30	ug/L	0.30	1.0	1		10/14/00	10/18/00	SHU	EPA 8310
nanthrene	<0.059	ug/L	0.059	0.20	1		10/14/00	10/18/00	SHU	EPA 8310
Pyrene	<0.083	ug/L	0.083	0.28	1		10/14/00	10/18/00	SHU	EPA 8310
Aroclor-1016	<0.0030	ug/L	0.0030	0.0080	1		10/14/00	10/18/00	PML	EPA 8082
clor-1221	<0.0020	ug/L	0.0020	0.0050	1		10/14/00	10/18/00	PML	EPA 8082
clor-1232	<0.0030	ug/L	0.0030	0.0080	1		10/14/00	10/18/00	PML	EPA 8082
Aroclor-1242	<0.0030	ug/L	0.0030	0.0080	1		10/14/00	10/18/00	PML	EPA 8082
clor-1248	<0.0030	ug/L	0.0030	0.0090	1		10/14/00	10/18/00	PML	EPA 8082
Aroclor-1254	<0.0020	ug/L	0.0020	0.0050	1		10/14/00	10/18/00	PML	EPA 8082
clor-1260	<0.0030	ug/L	0.0030	0.0090	1		10/14/00	10/18/00	PML	EPA 8082
,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			10/22/00	JBB	EPA 8021
-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
1,1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			10/22/00	JBB	EPA 8021
,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/22/00	JBB	EPA 8021
,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
-Dibromoethane	<0.30	ug/L	0.30	0.80	1			10/22/00	JBB	EPA 8021
,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			10/22/00	JBB	EPA 8021
trans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			10/22/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 42748 Sample Description: MW10 Sampled: 10/10/00 1650

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
-Dichloropropane	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
-Dichloropropane	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
1,4-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
-Dichloropropane	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
hlorotoluene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
mobenzene	<0.50	ug/L	0.50	1.6	1			10/22/00	JBB	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			10/22/00	JBB	EPA 8021
utylbenzene	0.85	ug/L	0.40	1.2	1	*		10/22/00	JBB	EPA 8021
-Butylbenzene	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
tert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			10/22/00	JBB	EPA 8021
rbon tetrachloride	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			10/22/00	JBB	EPA 8021
lorodibromomethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/22/00	JBB	EPA 8021
loroform	<0.50	ug/L	0.50	1.5	1			10/22/00	JBB	EPA 8021
Chloromethane	<0.30	ug/L	0.30	1.1	1			10/22/00	JBB	EPA 8021
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			10/22/00	JBB	EPA 8021
sopropyl ether	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
Ethylbenzene	<0.10	ug/L	0.10	0.30	1			10/22/00	JBB	EPA 8021
xachlorobutadiene	<0.60	ug/L	0.60	2.1	1			10/22/00	JBB	EPA 8021
Isopropylbenzene	4.3	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021
sopropyltoluene	<0.20	ug/L	0.20	0.70	1			10/22/00	JBB	EPA 8021
Methyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			10/22/00	JBB	EPA 8021
thylene chloride	<1.9	ug/L	1.9	6.3	1			10/22/00	JBB	EPA 8021
Naphthalene	<0.70	ug/L	0.70	2.4	1			10/22/00	JBB	EPA 8021
Propylbenzene	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
trachloroethene	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 42748 Sample Description: MW10 Sampled: 10/10/00 1650

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
uene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021
chloroethene	<0.30	ug/L	0.30	0.90	1			10/22/00	JBB	EPA 8021
Trichlorofluoromethane	<0.40	ug/L	0.40	1.2	1			10/22/00	JBB	EPA 8021
yl chloride	<0.40	ug/L	0.40	1.3	1			10/22/00	JBB	EPA 8021
m & p-Xylene	<0.20	ug/L	0.20	0.80	1			10/22/00	JBB	EPA 8021
Xylene	<0.10	ug/L	0.10	0.40	1			10/22/00	JBB	EPA 8021

Notes: * Indicates Value in between LOD and LOQ.

samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the mples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: _____
Record Reviewer

QC Qualifiers

ode	Description
A	Analyte averaged calibration criteria within acceptable limits.
B	Analyte detected in associated Method Blank.
	Toxicity present in BOD sample.
	Diluted Out.
E	Safe, No Total Coliform detected.
	Unsafe, Total Coliform detected, no E. Coli detected.
	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
J	Estimated value. The result is less than the reporting limit, but greater than the MDL.
	Significant peaks were detected outside the chromatographic window.
	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
	Concentration of analyte differs more than 40% between GC columns.
	Laboratory Control Sample outside acceptance limits.
S	Surrogate and/or internal standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
	Replicate/Duplicate precision outside acceptance limits.
	Calibration criteria exceeded.

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

olid sample results reported on a Dry Weight Basis

Page 2

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Hydrologists • Engineers • Geologists

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS

No: 14744

Check office originating request

- [ ] 1214 W. Venture Ct., Mequon, WI 53092, 414-241-3133, FAX 414-241-8222
- [ ] 372 West County Road D, New Brighton, MN 55112, 651-635-9100, FAX 651-635-0643
- [ ] 954 Circle Drive, Green Bay, WI 54304, 920-592-8400, FAX 920-592-8444
- [X] 330 South 4th Avenue, Park Falls, WI 54552, 715-762-1544, FAX 715-762-1844
- [ ] ____________
- [ ] 1203 Storbeck Drive, Waupun, WI 53963, 920-324-8600, FAX 920-324-3023
- [ ] 3211 Arnold Lane, Northbrook, IL 60062, 847-562-8577, FAX 847-562-8552
- [ ] 2222 Hwy 52 North, Ste 210, Rochester, MN 55901, 507-282-3800, FAX 507-282-3100
- [ ] 31628 Glendale Ave. Ste 100, Livonia, MI 48150, 734-422-2624, FAX 734-422-3530

10340

Project No: DNR04- Task No: 1510-0340

Project Location (city): Tomahawk, WI

Project Manager: Tim McCormick

Sampler (name): Shan M. Moquin

Sampler (Signature): Shan M. Moquin

Sampling Date(s): 10-10-00

Reports to be Sent to: Tim McCormick

Laboratory: CTI

Wisconsin DNR Certification #: 157066030

Laboratory Contact: Janet Faivre

Price Quote:

TURNAROUND TIME REQUIRED: [X] Normal [ ] Rush

Date Needed: ____________

Sample Integrity - To be completed by receiving lab
Seal intact upon receipt [ ] yes [ ] no
Method of shipment ____________
Contents Temperature ________ °C Refrigerator No. ________

ANALYSES REQUESTED

Lab ID No.	Sample No.	Collection Date	Collection Time	No. of Containers, Size & Type	Water	Soil	Other	Preservative	DRO (WI Modified Method)	GRO (WI Modified Method)	BETX (EPA Method 8020)	PVOC (EPA Method 8020)	VOC (EPA Method 8021)	PAH (EPA Method)	Pb (EPA Method)	Ammonia-Nitrogen	Alkalinity	Chloride	COD	Hardness	Nitrate+Nitrite as N	Sulfate	PCBs	Arsenic	Cadmium	Chromium
42703	MW1	10-10-00	1215	2-1L, 2-250ml, 1-500ml, 3-40ml	X			HCL, HNO3, H2SO4, ice					X	X		X	X	X	X	X	X	X				
42739	MW2	↓	1355	2-1L, 2-250ml, 1-500ml, 3-40ml	X			↓					X	X	X	X	X	X	X	X	X	X		X	X	X
42740	MW3		1310	4-1L, 2-250ml, 1-500ml, 3-40ml	X								X	X	X	X	X	X	X	X	X	X	X	X	X	X
42741	MW4		1535	↓	X								X	X	X	X	X	X	X	X	X	X	X	X	X	X
42742	MW4A		1520	2-1L, 2-250ml, 1-500ml, 3-40ml	X								X	X	X	X	X	X	X	X	X	X		X	X	X
42743	MW5		1500	2-1L, 2-250ml, 1-500ml, 3-40ml	X								X	X	X	X	X	X	X	X	X	X		X	X	X
42744	MW6		1600	2-1L, 2-250ml, 1-500ml, 3-40ml	X								X	X	X	X	X	X	X	X	X	X		X	X	X
42745	MW7		1630	2-1L, 2-250ml, 1-500ml, 3-40ml	X								X	X	X	X	X	X	X	X	X	X		X	X	X
42746	MW8		1435	2-1L, 2-250ml, 1-500ml, 3-40ml	X								X	X	X	X	X	X	X	X	X	X		X	X	X
42747	MW9	↓	1135	2-1L, 2-250ml, 1-500ml, 3-40ml	X			↓					X	X	X	X	X	X	X	X	X	X		X	X	X

Packed for Shipping by: Shan M. Moquin

Shipment Date: 10-11-00

Comments:

ICE PRESENT: (YES) NO

TEMPERATURE 1.2 °C

INITIALS KB

DATE 10-12 TIME 12:53

Relinquished By: Shan M. Moquin	Date: 10-11-00	Relinquished By:	Date:	Relinquished By:	Date:
Company: NETI	Time:	Company:	Time:	Company:	Time:
Received By: T. Von Ooyen	Date: 10/11/00	Received By:	Date:	Received By: K. Buuman 10-12 1:54	Date:
Company: Spee-Dee	Time: 2:45P	Company:	Time:	Company:	Time:

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CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS

No: 14745

Check office originating request

- [ ] 1214 W. Venture Ct. Mequon, WI 53092 414-241-3133 FAX 414-241-8222
- [ ] 372 West County Road D New Brighton, MN 55112 651-635-9100 FAX 651-635-0643
- [ ] 954 Circle Drive Green Bay, WI 54304 920-592-8400 FAX 920-592-8444
- [X] 330 South 4th Avenue Park Falls, WI 54552 715-762-1544 FAX 715-762-1844
- [ ] 1203 Storbeck Drive Waupun, WI 53963 920-324-8600 FAX 920-324-3023
- [ ] 3211 Arnold Lane Northbrook, IL 60062 847-562-8577 FAX 847-562-8552
- [ ] 2222 Hwy 52 North, Ste 210 Rochester, MN 55901 507-282-3800 FAX 507-282-3100
- [ ] 31628 Glendale Ave. Ste 100 Livonia, MI 48150 734-422-2624 FAX 734-422-3530
- [ ]

10340

Project No: / Task No:	DNR04-1510-0340
Project Location (city):	Tomahawk, WI
Project Manager:	Tim McCormick
Sampler (name):	Shan M. Moquin
Sampler (Signature):	Shan M. Moquin
Sampling Date(s):	10-10-00
Reports to be Sent to:	Tim McCormick
Laboratory:	CTI
Wisconsin DNR Certification #:	157066030
Laboratory Contact:	Janet Faivre
Price Quote:	

TURNAROUND TIME REQUIRED
[X] Normal [ ] Rush
Date Needed ______

Sample Integrity - To be completed by receiving lab
Seal intact upon receipt [ ] yes [ ] no
Method of shipment ______
Contents Temperature ______ °C Refrigerator No. ______

ANALYSES REQUESTED

Lab ID No.	Sample No.	Collection Date	Collection Time	No. of Containers, Size & Type	Water	Soil	Other	Preservative	DRO (WI Modified Method)	GRO (WI Modified Method)	BETX (EPA Method 8020)	PVOC (EPA Method 8020)	VOC (EPA Method 8021)	PAH (EPA Method)	Pb (EPA Method)	Ammonia-Nitrogen	Alkalinity	Chloride	COD	Hardness	Nitrate + Nitrite as N	Sulfate	PCBs	Arsenic	Cadmium	Chromium
42748	MW10	10-10-00	1650	4-1L, 2-250ml, 1-500ml, 3-40ml	X			HCL, HNO3, H2SO4, ice					X	X	X	X	X	X	X	X	X	X	X	X	X	X

ICE PRESENT: (YES) NO
TEMPERATURE 1.2 °C
INITIALS KB

Packed for Shipping by: Shan M. Moquin
Shipment Date: 10-11-00

Comments:
DATE 10-12 TIME 12:53

Relinquished By: Shan M. Moquin	Date: 10-11-00	Relinquished By:	Date:	Relinquished By:	Date:
Company: NETI	Time:	Company:	Time:	Company:	Time:
Received By: [illegible signature]	Date: 10/11/00	Received By:	Date:	Received By: K. Bruman 10-12 1:54	Date:
Company: [illegible]	Time: 2:45P	Company:	Time:	Company:	Time:

Commonwealth
Technology, Inc.
Laboratory Division

1230 Lange Court
Baraboo, WI 53913-3109
Phone: (800) 228-3012
Fax: (608) 356-2766
EMail: bld@ctienv.com

ANALYTICAL REPORT

NORTHERN ENVIRONMENTAL
TIM MCCORMICK
330 SOUTH 4TH AVENUE
PARK FALLS, WI 54552

Project Name: TOMAHAWK
Contract #: 1597
Project #: DNR04-1510-0340
Folder #: 11383
Purchase Order #: INV 11744
Arrival Temperature: See COC
Report Date: 11/22/00
Date Received: 11/9/00

CTI LAB#: 47889 Sample Description: MW1 Sampled: 11/7/00 0955

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Alkalinity Total	<18	mg/L	18	59	1			11/13/00	MMC	EPA 310.2
Total Chloride	1.01	mg/L	0.65 *	2.15	1			11/20/00	KJF	EPA 9251
Total COD	20	mg/L	18 *	61	1		11/14/00	11/14/00	KJF	EPA 410.4
Ammonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			11/14/00	MMC	EPA 353.2
Total Sulfate	9.55	mg/L	3.50 *	12.0	1			11/21/00	MMC	EPA 375.2
Metals Results										
Total Hardness	23.7	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
Organic Results										
1-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		11/10/00	11/11/00	SHU	EPA 8310
2-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthylene	<0.28	ug/L	0.28	0.95	1		11/10/00	11/11/00	SHU	EPA 8310
Anthracene	<0.060	ug/L	0.060	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		11/10/00	11/11/00	SHU	EPA 8310
Chrysene	<0.051	ug/L	0.051	0.17	1		11/10/00	11/11/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		11/10/00	11/11/00	SHU	EPA 8310
Fluoranthene	<0.033	ug/L	0.033	0.11	1		11/10/00	11/11/00	SHU	EPA 8310

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47889 Sample Description: MW1 Sampled: 11/7/00 0955

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
uorene	<0.14	ug/L	0.14	0.48	1		11/10/00	11/11/00	SHU	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		11/10/00	11/11/00	SHU	EPA 8310
aphthalene	<0.30	ug/L	0.30	1.0	1		11/10/00	11/11/00	SHU	EPA 8310
Phenanthrene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
yrene	<0.083	ug/L	0.083	0.28	1		11/10/00	11/11/00	SHU	EPA 8310
1,1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021
1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
2,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
s-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021
trans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021
2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,4-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
romobenzene	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47889 Sample Description: MW1 Sampled: 11/7/00 0955

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
t-Butylbenzene	<0.10	ug/L	0.10	0.50	1			11/15/00	EAM	EPA 8021
Carbon tetrachloride	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorodibromomethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
Chloroform	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
Chloromethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
Chlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			11/15/00	EAM	EPA 8021
Diisopropyl ether	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Ethylbenzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Hexachlorobutadiene	<0.60	ug/L	0.60	2.1	1			11/15/00	EAM	EPA 8021
Isopropylbenzene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
p-Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
Methyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			11/15/00	EAM	EPA 8021
Methylene chloride	<1.9	ug/L	1.9	6.3	1			11/15/00	EAM	EPA 8021
Naphthalene	<0.70	ug/L	0.70	2.4	1			11/15/00	EAM	EPA 8021
n-Propylbenzene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
Tetrachloroethene	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
Toluene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
Trichloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
Trichlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Vinyl chloride	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
m & p-Xylene	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
o-Xylene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

CTI LAB#: 47893 Sample Description: MW2 Sampled: 11/7/00 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method

Inorganic Results

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47893 Sample Description: MW2 Sampled: 11/7/00 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
alinity Total	158	mg/L	18	59	1			11/13/00	MMC	EPA 310.2
Total Chloride	1.23	mg/L	0.65 *	2.15	1			11/20/00	KJF	EPA 9251
al COD	23	mg/L	18 *	61	1		11/14/00	11/14/00	KJF	EPA 410.4
mmonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
trate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			11/14/00	MMC	EPA 353.2
tal Sulfate	10.0	mg/L	3.50 *	12.0	1			11/21/00	MMC	EPA 375.2
Metals Results										
tal Hardness	122	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
Organic Results										
-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		11/10/00	11/11/00	SHU	EPA 8310
Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
enaphthylene	<0.28	ug/L	0.28	0.95	1		11/10/00	11/11/00	SHU	EPA 8310
Anthracene	<0.060	ug/L	0.060	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
nzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		11/10/00	11/11/00	SHU	EPA 8310
nzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		11/10/00	11/11/00	SHU	EPA 8310
rysene	<0.051	ug/L	0.051	0.17	1		11/10/00	11/11/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		11/10/00	11/11/00	SHU	EPA 8310
uoranthene	<0.033	ug/L	0.033	0.11	1		11/10/00	11/11/00	SHU	EPA 8310
Fluorene	<0.14	ug/L	0.14	0.48	1		11/10/00	11/11/00	SHU	EPA 8310
deno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		11/10/00	11/11/00	SHU	EPA 8310
aphthalene	<0.30	ug/L	0.30	1.0	1		11/10/00	11/11/00	SHU	EPA 8310
henanthrene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
rene	<0.083	ug/L	0.083	0.28	1		11/10/00	11/11/00	SHU	EPA 8310
1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021
1,1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47893 Sample Description: MW2 Sampled: 11/7/00 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
,2,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
cis-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021
ans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021
1,2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
4-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
4-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
enzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Bromobenzene	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
romodichloromethane	<0.20	ug/L	0.20	0.60	1			11/15/00	EAM	EPA 8021
Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
ec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
rt-Butylbenzene	<0.10	ug/L	0.10	0.50	1			11/15/00	EAM	EPA 8021
Carbon tetrachloride	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
hlorobenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorodibromomethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
hloroethane	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
Chloroform	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
hloromethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47893 Sample Description: MW2 Sampled: 11/7/00 1020

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
sopropyl ether	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Ethylbenzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
xachlorobutadiene	<0.60	ug/L	0.60	2.1	1			11/15/00	EAM	EPA 8021
Isopropylbenzene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
sopropyltoluene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
ıethyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			11/15/00	EAM	EPA 8021
ethylene chloride	<1.9	ug/L	1.9	6.3	1			11/15/00	EAM	EPA 8021
aphthalene	<0.70	ug/L	0.70	2.4	1			11/15/00	EAM	EPA 8021
n-Propylbenzene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
trachloroethene	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
Toluene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
ichloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
Trichlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
nyl chloride	0.94	ug/L	0.40	1.3	1	*		11/15/00	EAM	EPA 8021
& p-Xylene	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
o-Xylene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

CTI LAB#: 47894 Sample Description: MW3 Sampled: 11/7/00 1035

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
organic Results										
lkalinity Total	161	mg/L	18	59	1			11/13/00	MMC	EPA 310.2
Total Chloride	20.1	mg/L	0.65	2.15	1			11/20/00	KJF	EPA 9251
otal COD	61	mg/L	18	61	1		11/14/00	11/14/00	KJF	EPA 410.4
Ammonia Nitrogen Total	0.320	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
itrate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			11/14/00	MMC	EPA 353.2
Total Sulfate	11.4	mg/L	3.50	12.0	1	*		11/21/00	MMC	EPA 375.2
letals Results										
otal Hardness	108	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
Organic Results										
-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		11/10/00	11/11/00	SHU	EPA 8310
2-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47894 Sample Description: MW3 Sampled: 11/7/00 1035

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
enaphthene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthylene	<0.28	ug/L	0.28	0.95	1		11/10/00	11/11/00	SHU	EPA 8310
thracene	<0.060	ug/L	0.060	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
nzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		11/10/00	11/11/00	SHU	EPA 8310
nzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
nzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		11/10/00	11/11/00	SHU	EPA 8310
Chrysene	<0.051	ug/L	0.051	0.17	1		11/10/00	11/11/00	SHU	EPA 8310
benzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		11/10/00	11/11/00	SHU	EPA 8310
Fluoranthene	<0.033	ug/L	0.033	0.11	1		11/10/00	11/11/00	SHU	EPA 8310
uorene	<0.14	ug/L	0.14	0.48	1		11/10/00	11/11/00	SHU	EPA 8310
deno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		11/10/00	11/11/00	SHU	EPA 8310
laphthalene	<0.30	ug/L	0.30	1.0	1		11/10/00	11/11/00	SHU	EPA 8310
henanthrene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Pyrene	<0.083	ug/L	0.083	0.28	1		11/10/00	11/11/00	SHU	EPA 8310
1,1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
,1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021
1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
1,2,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
,2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
s-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021
ans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47894 Sample Description: MW3 Sampled: 11/7/00 1035

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
luene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
Trichloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
ichlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Vinyl chloride	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
& p-Xylene	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
Xylene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

CTI LAB#: 47895 Sample Description: MW4 Sampled: 11/7/00 1305

nalyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Alkalinity Total	435	mg/L	18	59	1			11/13/00	MMC	EPA 310.2
otal Chloride	22.9	mg/L	0.65	2.15	1			11/20/00	KJF	EPA 9251
Total COD	143	mg/L	18	61	1		11/14/00	11/14/00	KJF	EPA 410.4
mmonia Nitrogen Total	0.690	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			11/14/00	MMC	EPA 353.2
otal Sulfate	5.86	mg/L	3.50	12.0	1	*		11/21/00	MMC	EPA 375.2
Metals Results										
Total Hardness	173	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
rganic Results										
1-Methylnaphthalene	5.6	ug/L	0.29	0.97	1		11/10/00	11/11/00	SHU	EPA 8310
Methylnaphthalene	9.2	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
cenaphthene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthylene	0.50	ug/L	0.28	0.95	1	*	11/10/00	11/11/00	SHU	EPA 8310
nthracene	<0.060	ug/L	0.060	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		11/10/00	11/11/00	SHU	EPA 8310
hrysene	<0.051	ug/L	0.051	0.17	1		11/10/00	11/11/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		11/10/00	11/11/00	SHU	EPA 8310

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47895 Sample Description: MW4 Sampled: 11/7/00 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
uoranthene	<0.033	ug/L	0.033	0.11	1		11/10/00	11/11/00	SHU	EPA 8310
Fluorene	<0.14	ug/L	0.14	0.48	1		11/10/00	11/11/00	SHU	EPA 8310
deno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		11/10/00	11/11/00	SHU	EPA 8310
Naphthalene	14	ug/L	0.30	1.0	1		11/10/00	11/11/00	SHU	EPA 8310
henanthrene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
yrene	<0.083	ug/L	0.083	0.28	1		11/10/00	11/11/00	SHU	EPA 8310
1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021
1,1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
2,4-Trimethylbenzene	34	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
1,2-Dichlorobenzene	2.6	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
cis-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021
ans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021
,2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
,3,5-Trimethylbenzene	15	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
,3-Dichlorobenzene	4.9	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
,4-Dichlorobenzene	21	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
2,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
4-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
enzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Bromobenzene	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47895 Sample Description: MW4 Sampled: 11/7/00 1305

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
omodichloromethane	<0.20	ug/L	0.20	0.60	1			11/15/00	EAM	EPA 8021
n-Butylbenzene	11	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
c-Butylbenzene	1.2	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
tert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			11/15/00	EAM	EPA 8021
arbon tetrachloride	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
hlorobenzene	34	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorodibromomethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
hloroethane	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
Chloroform	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
hloromethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			11/15/00	EAM	EPA 8021
iisopropyl ether	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Ethylbenzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
exachlorobutadiene	<0.60	ug/L	0.60	2.1	1			11/15/00	EAM	EPA 8021
opropylbenzene	3.8	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
p-Isopropyltoluene	2.1	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
ethyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			11/15/00	EAM	EPA 8021
Methylene chloride	<1.9	ug/L	1.9	6.3	1			11/15/00	EAM	EPA 8021
aphthalene	21	ug/L	0.70	2.4	1			11/15/00	EAM	EPA 8021
n-Propylbenzene	5.5	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
etrachloroethene	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
oluene	1.6	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
richloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
richlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Vinyl chloride	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
& p-Xylene	4.4	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
o-Xylene	8.9	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

CTI LAB#: 47896 Sample Description: MW4A Sampled: 11/7/00 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47896 Sample Description: MW4A Sampled: 11/7/00 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Alkalinity Total	420	mg/L	18	59	1			11/13/00	MMC	EPA 310.2
Total Chloride	7.97	mg/L	0.65	2.15	1			11/20/00	KJF	EPA 9251
Total COD	80	mg/L	18	61	1		11/14/00	11/14/00	KJF	EPA 410.4
Ammonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			11/14/00	MMC	EPA 353.2
Total Sulfate	<3.50	mg/L	3.50	12.0	1			11/21/00	MMC	EPA 375.2
Metals Results										
Total Hardness	356	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
Organic Results										
1-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		11/10/00	11/11/00	SHU	EPA 8310
2-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthylene	<0.28	ug/L	0.28	0.95	1		11/10/00	11/11/00	SHU	EPA 8310
Anthracene	<0.060	ug/L	0.060	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		11/10/00	11/11/00	SHU	EPA 8310
Chrysene	<0.051	ug/L	0.051	0.17	1		11/10/00	11/11/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		11/10/00	11/11/00	SHU	EPA 8310
Fluoranthene	0.11	ug/L	0.033	0.11	1		11/10/00	11/11/00	SHU	EPA 8310
Fluorene	<0.14	ug/L	0.14	0.48	1		11/10/00	11/11/00	SHU	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		11/10/00	11/11/00	SHU	EPA 8310
Naphthalene	<0.30	ug/L	0.30	1.0	1		11/10/00	11/11/00	SHU	EPA 8310
Phenanthrene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Pyrene	<0.083	ug/L	0.083	0.28	1		11/10/00	11/11/00	SHU	EPA 8310
1,1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47896 Sample Description: MW4A Sampled: 11/7/00 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
2,4-Trimethylbenzene	0.31	ug/L	0.20 *	0.70	1			11/15/00	EAM	EPA 8021
2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
2-Dichlorobenzene	1.2	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
s-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021
trans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021
2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,4-Dichlorobenzene	1.6	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
romobenzene	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
romodichloromethane	<0.20	ug/L	0.20	0.60	1			11/15/00	EAM	EPA 8021
n-Butylbenzene	5.7	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
ec-Butylbenzene	0.74	ug/L	0.30 *	1.1	1			11/15/00	EAM	EPA 8021
tert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			11/15/00	EAM	EPA 8021
arbon tetrachloride	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorobenzene	2.3	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
hlorodibromomethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
hloroform	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
Chloromethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47896 Sample Description: MW4A Sampled: 11/7/00 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Chlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			11/15/00	EAM	EPA 8021
Diisopropyl ether	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Ethylbenzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Hexachlorobutadiene	<0.60	ug/L	0.60	2.1	1			11/15/00	EAM	EPA 8021
Isopropylbenzene	1.3	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
p-Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
Methyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			11/15/00	EAM	EPA 8021
Methylene chloride	<1.9	ug/L	1.9	6.3	1			11/15/00	EAM	EPA 8021
Naphthalene	0.77	ug/L	0.70	2.4	1	*		11/15/00	EAM	EPA 8021
n-Propylbenzene	0.41	ug/L	0.30	0.90	1	*		11/15/00	EAM	EPA 8021
Tetrachloroethene	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
Toluene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
Trichloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
Trichlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Vinyl chloride	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
m & p-Xylene	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
o-Xylene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

CTI LAB#: 47897 Sample Description: MW5 Sampled: 11/7/00 1225

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Alkalinity Total	487	mg/L	18	59	1			11/13/00	MMC	EPA 310.2
Total Chloride	7.56	mg/L	0.65	2.15	1			11/20/00	KJF	EPA 9251
Total COD	131	mg/L	18	61	1		11/14/00	11/14/00	KJF	EPA 410.4
Ammonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			11/14/00	MMC	EPA 353.2
Total Sulfate	3.73	mg/L	3.50	12.0	1	*		11/21/00	MMC	EPA 375.2
Metals Results										
Total Hardness	416	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
Organic Results										
1-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		11/10/00	11/11/00	SHU	EPA 8310

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47897 Sample Description: MW5 Sampled: 11/7/00 1225

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
enaphthylene	<0.28	ug/L	0.28	0.95	1		11/10/00	11/11/00	SHU	EPA 8310
nthracene	<0.060	ug/L	0.060	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		11/10/00	11/11/00	SHU	EPA 8310
nzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		11/10/00	11/11/00	SHU	EPA 8310
nzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		11/10/00	11/11/00	SHU	EPA 8310
hrysene	<0.051	ug/L	0.051	0.17	1		11/10/00	11/11/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		11/10/00	11/11/00	SHU	EPA 8310
uoranthene	<0.033	ug/L	0.033	0.11	1		11/10/00	11/11/00	SHU	EPA 8310
uorene	<0.14	ug/L	0.14	0.48	1		11/10/00	11/11/00	SHU	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		11/10/00	11/11/00	SHU	EPA 8310
aphthalene	3.4	ug/L	0.30	1.0	1		11/10/00	11/11/00	SHU	EPA 8310
Phenanthrene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
yrene	<0.083	ug/L	0.083	0.28	1		11/10/00	11/11/00	SHU	EPA 8310
1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021
1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
2,4-Trimethylbenzene	6.0	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
,2-Dichlorobenzene	1.3	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
s-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47897 Sample Description: MW5 Sampled: 11/7/00 1225

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
ns-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021
1,2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
,4-Dichlorobenzene	2.3	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
2,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
4-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
enzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Bromobenzene	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
omodichloromethane	<0.20	ug/L	0.20	0.60	1			11/15/00	EAM	EPA 8021
n-Butylbenzene	5.6	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
ec-Butylbenzene	0.87	ug/L	0.30 *	1.1	1			11/15/00	EAM	EPA 8021
ert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			11/15/00	EAM	EPA 8021
Carbon tetrachloride	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
hlorobenzene	3.0	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorodibromomethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
hloroethane	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
Chloroform	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
hloromethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			11/15/00	EAM	EPA 8021
Diisopropyl ether	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
thylbenzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Hexachlorobutadiene	<0.60	ug/L	0.60	2.1	1			11/15/00	EAM	EPA 8021
opropylbenzene	1.0	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
p-Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
lethyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			11/15/00	EAM	EPA 8021
Methylene chloride	<1.9	ug/L	1.9	6.3	1			11/15/00	EAM	EPA 8021
laphthalene	5.5	ug/L	0.70	2.4	1			11/15/00	EAM	EPA 8021
n-Propylbenzene	0.34	ug/L	0.30 *	0.90	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47897 Sample Description: MW5 Sampled: 11/7/00 1225

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Tetrachloroethene	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
Toluene	0.35	ug/L	0.10 *	0.40	1			11/15/00	EAM	EPA 8021
Trichloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
Trichlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Vinyl chloride	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
m & p-Xylene	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
o-Xylene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

CTI LAB#: 47898 Sample Description: MW6 Sampled: 11/7/00 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Alkalinity Total	205	mg/L	18	59	1			11/13/00	MMC	EPA 310.2
Total Chloride	1.03	mg/L	0.65 *	2.15	1			11/20/00	KJF	EPA 9251
Total COD	20	mg/L	18 *	61	1		11/14/00	11/14/00	KJF	EPA 410.4
Ammonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			11/14/00	MMC	EPA 353.2
Total Sulfate	<3.50	mg/L	3.50	12.0	1			11/21/00	MMC	EPA 375.2
Metals Results										
Total Hardness	180	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
Organic Results										
2-Methylnaphthalene	<0.33	ug/L	0.33	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
1-Methylnaphthalene	<0.37	ug/L	0.37	1.3	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthene	<0.37	ug/L	0.37	1.3	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthylene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Anthracene	<0.069	ug/L	0.069	0.23	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)anthracene	<0.013	ug/L	0.013	0.043	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)pyrene	<0.014	ug/L	0.014	0.047	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.018	ug/L	0.018	0.062	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(g,h,i)perylene	<0.056	ug/L	0.056	0.18	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.016	ug/L	0.016	0.055	1		11/10/00	11/11/00	SHU	EPA 8310
Chrysene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47898 Sample Description: MW6 Sampled: 11/7/00 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
benzo(a,h)anthracene	<0.10	ug/L	0.10	0.34	1		11/10/00	11/11/00	SHU	EPA 8310
Fluoranthene	<0.038	ug/L	0.038	0.13	1		11/10/00	11/11/00	SHU	EPA 8310
uorene	<0.16	ug/L	0.16	0.55	1		11/10/00	11/11/00	SHU	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.047	ug/L	0.047	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
aphthalene	<0.34	ug/L	0.34	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Phenanthrene	<0.068	ug/L	0.068	0.23	1		11/10/00	11/11/00	SHU	EPA 8310
yrene	<0.095	ug/L	0.095	0.32	1		11/10/00	11/11/00	SHU	EPA 8310
1,1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021
1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
2,4-Trimethylbenzene	1.4	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
s-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021
trans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021
2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,4-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47898 Sample Description: MW6 Sampled: 11/7/00 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
omobenzene	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			11/15/00	EAM	EPA 8021
Butylbenzene	0.78	ug/L	0.40 *	1.2	1			11/15/00	EAM	EPA 8021
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
rt-Butylbenzene	<0.10	ug/L	0.10	0.50	1			11/15/00	EAM	EPA 8021
arbon tetrachloride	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
hlorobenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
hlorodibromomethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
hloroform	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
Chloromethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
ichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			11/15/00	EAM	EPA 8021
Diisopropyl ether	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
thylbenzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
exachlorobutadiene	<0.60	ug/L	0.60	2.1	1			11/15/00	EAM	EPA 8021
opropylbenzene	0.53	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
-Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
Methyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			11/15/00	EAM	EPA 8021
ethylene chloride	<1.9	ug/L	1.9	6.3	1			11/15/00	EAM	EPA 8021
Naphthalene	<0.70	ug/L	0.70	2.4	1			11/15/00	EAM	EPA 8021
-Propylbenzene	0.44	ug/L	0.30 *	0.90	1			11/15/00	EAM	EPA 8021
Tetrachloroethene	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
oluene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
richloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
Trichlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
inyl chloride	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
m & p-Xylene	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
-Xylene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47899 Sample Description: MW7 Sampled: 11/7/00 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Alkalinity Total	36.9	mg/L	18 *	59	1			11/13/00	MMC	EPA 310.2
Total Chloride	0.818	mg/L	0.65 *	2.15	1			11/20/00	KJF	EPA 9251
Total COD	<18	mg/L	18	61	1		11/14/00	11/14/00	KJF	EPA 410.4
Ammonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	0.0800	mg/L	0.08 *	0.26	1			11/14/00	MMC	EPA 353.2
Total Sulfate	8.10	mg/L	3.50 *	12.0	1			11/21/00	MMC	EPA 375.2
Metals Results										
Total Hardness	72.5	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
Organic Results										
1-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		11/10/00	11/11/00	SHU	EPA 8310
2-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthylene	<0.28	ug/L	0.28	0.95	1		11/10/00	11/11/00	SHU	EPA 8310
Anthracene	<0.060	ug/L	0.060	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		11/10/00	11/11/00	SHU	EPA 8310
Chrysene	<0.051	ug/L	0.051	0.17	1		11/10/00	11/11/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		11/10/00	11/11/00	SHU	EPA 8310
Fluoranthene	<0.033	ug/L	0.033	0.11	1		11/10/00	11/11/00	SHU	EPA 8310
Fluorene	<0.14	ug/L	0.14	0.48	1		11/10/00	11/11/00	SHU	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		11/10/00	11/11/00	SHU	EPA 8310
Naphthalene	<0.30	ug/L	0.30	1.0	1		11/10/00	11/11/00	SHU	EPA 8310
Phenanthrene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Pyrene	<0.083	ug/L	0.083	0.28	1		11/10/00	11/11/00	SHU	EPA 8310
1,1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47899 Sample Description: MW7 Sampled: 11/7/00 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1,1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
1,2,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
cis-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021
trans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021
1,2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,4-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
2,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
4-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Bromobenzene	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			11/15/00	EAM	EPA 8021
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
tert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			11/15/00	EAM	EPA 8021
Carbon tetrachloride	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorodibromomethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
Chloroform	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
Chloromethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47899 Sample Description: MW7 Sampled: 11/7/00 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
ichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			11/15/00	EAM	EPA 8021
Diisopropyl ether	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
thylbenzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
exachlorobutadiene	<0.60	ug/L	0.60	2.1	1			11/15/00	EAM	EPA 8021
opropylbenzene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
ethyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			11/15/00	EAM	EPA 8021
ethylene chloride	<1.9	ug/L	1.9	6.3	1			11/15/00	EAM	EPA 8021
Naphthalene	<0.70	ug/L	0.70	2.4	1			11/15/00	EAM	EPA 8021
-Propylbenzene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
Tetrachloroethene	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
oluene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
richloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
richlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
inyl chloride	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
m & p-Xylene	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
-Xylene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

CTI LAB#: 47900 Sample Description: MW8 Sampled: 11/7/00 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
organic Results										
Alkalinity Total	<18	mg/L	18	59	1			11/13/00	MMC	EPA 310.2
otal Chloride	<0.65	mg/L	0.65	2.15	1			11/20/00	KJF	EPA 9251
Total COD	<18	mg/L	18	61	1		11/14/00	11/14/00	KJF	EPA 410.4
mmonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
itrate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			11/14/00	MMC	EPA 353.2
otal Sulfate	4.08	mg/L	3.50 *	12.0	1			11/21/00	MMC	EPA 375.2
etals Results										
Total Hardness	7.6	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
rganic Results										
Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		11/10/00	11/11/00	SHU	EPA 8310

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47900 Sample Description: MW8 Sampled: 11/7/00 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
cenaphthylene	<0.28	ug/L	0.28	0.95	1		11/10/00	11/11/00	SHU	EPA 8310
Anthracene	<0.060	ug/L	0.060	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		11/10/00	11/11/00	SHU	EPA 8310
hrysene	<0.051	ug/L	0.051	0.17	1		11/10/00	11/11/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		11/10/00	11/11/00	SHU	EPA 8310
uoranthene	<0.033	ug/L	0.033	0.11	1		11/10/00	11/11/00	SHU	EPA 8310
Fluorene	<0.14	ug/L	0.14	0.48	1		11/10/00	11/11/00	SHU	EPA 8310
deno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		11/10/00	11/11/00	SHU	EPA 8310
Naphthalene	<0.30	ug/L	0.30	1.0	1		11/10/00	11/11/00	SHU	EPA 8310
Phenanthrene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
yrene	<0.083	ug/L	0.083	0.28	1		11/10/00	11/11/00	SHU	EPA 8310
1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021
1,1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
2,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
cis-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47900 Sample Description: MW8 Sampled: 11/7/00 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
ans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021
1,2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
,4-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
2,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
4-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
enzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Bromobenzene	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
romodichloromethane	<0.20	ug/L	0.20	0.60	1			11/15/00	EAM	EPA 8021
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
ec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
rt-Butylbenzene	<0.10	ug/L	0.10	0.50	1			11/15/00	EAM	EPA 8021
Carbon tetrachloride	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
hlorobenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorodibromomethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
hloroethane	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
Chloroform	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
hloromethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			11/15/00	EAM	EPA 8021
iisopropyl ether	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
thylbenzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Hexachlorobutadiene	<0.60	ug/L	0.60	2.1	1			11/15/00	EAM	EPA 8021
opropylbenzene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
p-Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
lethyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			11/15/00	EAM	EPA 8021
Methylene chloride	<1.9	ug/L	1.9	6.3	1			11/15/00	EAM	EPA 8021
aphthalene	<0.70	ug/L	0.70	2.4	1			11/15/00	EAM	EPA 8021
n-Propylbenzene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47900 Sample Description: MW8 Sampled: 11/7/00 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
etrachloroethene	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
Toluene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
ichloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
richlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
inyl chloride	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
& p-Xylene	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
-Xylene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

CTI LAB#: 47901 Sample Description: MW9 Sampled: 11/7/00 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
organic Results										
lkalinity Total	48.8	mg/L	18 *	59	1			11/13/00	MMC	EPA 310.2
Total Chloride	2.04	mg/L	0.65 *	2.15	1			11/20/00	KJF	EPA 9251
otal COD	122	mg/L	18	61	1		11/14/00	11/14/00	KJF	EPA 410.4
Ammonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
itrate + Nitrite Nitrogen	<0.08	mg/L	0.08	0.26	1			11/14/00	MMC	EPA 353.2
otal Sulfate	14.1	mg/L	3.50	12.0	1			11/21/00	MMC	EPA 375.2
Metals Results										
otal Hardness	110	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
Organic Results										
-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		11/10/00	11/11/00	SHU	EPA 8310
-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
cenaphthylene	<0.28	ug/L	0.28	0.95	1		11/10/00	11/11/00	SHU	EPA 8310
Anthracene	<0.060	ug/L	0.060	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
enzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		11/10/00	11/11/00	SHU	EPA 8310
hrysene	<0.051	ug/L	0.051	0.17	1		11/10/00	11/11/00	SHU	EPA 8310

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47901 Sample Description: MW9 Sampled: 11/7/00 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
ibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		11/10/00	11/11/00	SHU	EPA 8310
Fluoranthene	0.048	ug/L	0.033 *	0.11	1		11/10/00	11/11/00	SHU	EPA 8310
uorene	<0.14	ug/L	0.14	0.48	1		11/10/00	11/11/00	SHU	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		11/10/00	11/11/00	SHU	EPA 8310
aphthalene	<0.30	ug/L	0.30	1.0	1		11/10/00	11/11/00	SHU	EPA 8310
henanthrene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Pyrene	<0.083	ug/L	0.083	0.28	1		11/10/00	11/11/00	SHU	EPA 8310
1,1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021
,1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
,1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
1,2,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
s-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021
ans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021
,2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
1,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,4-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47901 Sample Description: MW9 Sampled: 11/7/00 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
romobenzene	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
Bromodichloromethane	<0.20	ug/L	0.20	0.60	1			11/15/00	EAM	EPA 8021
Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
rt-Butylbenzene	<0.10	ug/L	0.10	0.50	1			11/15/00	EAM	EPA 8021
arbon tetrachloride	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
hlorodibromomethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
hloroform	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
Chloromethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
ichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			11/15/00	EAM	EPA 8021
Diisopropyl ether	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
thylbenzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
exachlorobutadiene	<0.60	ug/L	0.60	2.1	1			11/15/00	EAM	EPA 8021
Isopropylbenzene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
-Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
Methyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			11/15/00	EAM	EPA 8021
ethylene chloride	<1.9	ug/L	1.9	6.3	1			11/15/00	EAM	EPA 8021
Naphthalene	<0.70	ug/L	0.70	2.4	1			11/15/00	EAM	EPA 8021
-Propylbenzene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
etrachloroethene	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
oluene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
richloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
Trichlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
inyl chloride	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
m & p-Xylene	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
-Xylene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47902 Sample Description: MW10 Sampled: 11/7/00 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Alkalinity Total	208	mg/L	18	59	1			11/13/00	MMC	EPA 310.2
Total Chloride	0.812	mg/L	0.65 *	2.15	1			11/20/00	KJF	EPA 9251
Total COD	58	mg/L	18 *	61	1		11/14/00	11/14/00	KJF	EPA 410.4
Ammonia Nitrogen Total	<0.02	mg/L	0.02	0.07	1			11/15/00	AAK	EPA 350.1
Nitrate + Nitrite Nitrogen	0.0800	mg/L	0.08 *	0.26	1			11/14/00	MMC	EPA 353.2
Total Sulfate	10.3	mg/L	3.50 *	12.0	1			11/21/00	MMC	EPA 375.2
Metals Results										
Total Hardness	201	mg/L	0.10	0.35	1		11/10/00	11/10/00	NAH	EPA 6010
Organic Results										
1-Methylnaphthalene	<0.29	ug/L	0.29	0.97	1		11/10/00	11/11/00	SHU	EPA 8310
2-Methylnaphthalene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthene	<0.32	ug/L	0.32	1.1	1		11/10/00	11/11/00	SHU	EPA 8310
Acenaphthylene	<0.28	ug/L	0.28	0.95	1		11/10/00	11/11/00	SHU	EPA 8310
Anthracene	<0.060	ug/L	0.060	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)anthracene	<0.011	ug/L	0.011	0.037	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(a)pyrene	<0.012	ug/L	0.012	0.041	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(b)fluoranthene	<0.016	ug/L	0.016	0.054	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(g,h,i)perylene	<0.049	ug/L	0.049	0.16	1		11/10/00	11/11/00	SHU	EPA 8310
Benzo(k)fluoranthene	<0.014	ug/L	0.014	0.048	1		11/10/00	11/11/00	SHU	EPA 8310
Chrysene	<0.051	ug/L	0.051	0.17	1		11/10/00	11/11/00	SHU	EPA 8310
Dibenzo(a,h)anthracene	<0.090	ug/L	0.090	0.30	1		11/10/00	11/11/00	SHU	EPA 8310
Fluoranthene	<0.033	ug/L	0.033	0.11	1		11/10/00	11/11/00	SHU	EPA 8310
Fluorene	<0.14	ug/L	0.14	0.48	1		11/10/00	11/11/00	SHU	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.041	ug/L	0.041	0.14	1		11/10/00	11/11/00	SHU	EPA 8310
Naphthalene	<0.30	ug/L	0.30	1.0	1		11/10/00	11/11/00	SHU	EPA 8310
Phenanthrene	<0.059	ug/L	0.059	0.20	1		11/10/00	11/11/00	SHU	EPA 8310
Pyrene	<0.083	ug/L	0.083	0.28	1		11/10/00	11/11/00	SHU	EPA 8310
1,1,1-Trichloroethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,1,2,2-Tetrachloroethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
1,1,2-Trichloroethane	<0.20	ug/L	0.20	1.0	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 47902 Sample Description: MW10 Sampled: 11/7/00 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
1,1-Dichloroethene	<0.90	ug/L	0.90	3.1	1			11/15/00	EAM	EPA 8021
2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/15/00	EAM	EPA 8021
2,4-Trimethylbenzene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
,2-Dibromoethane	<0.30	ug/L	0.30	0.80	1			11/15/00	EAM	EPA 8021
2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
1,2-Dichloroethane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
s-1,2-Dichloroethene	<0.40	ug/L	0.40	1.4	1			11/15/00	EAM	EPA 8021
trans-1,2-Dichloroethene	<0.80	ug/L	0.80	2.7	1			11/15/00	EAM	EPA 8021
,2-Dichloropropane	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
,3-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
,4-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
,2-Dichloropropane	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
2-Chlorotoluene	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
-Chlorotoluene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Benzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
romobenzene	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
romodichloromethane	<0.20	ug/L	0.20	0.60	1			11/15/00	EAM	EPA 8021
-Butylbenzene	0.88	ug/L	0.40	1.2	1	*		11/15/00	EAM	EPA 8021
ec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021
ert-Butylbenzene	<0.10	ug/L	0.10	0.50	1			11/15/00	EAM	EPA 8021
arbon tetrachloride	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			11/15/00	EAM	EPA 8021
hlorodibromomethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
Chloroethane	<0.50	ug/L	0.50	1.6	1			11/15/00	EAM	EPA 8021
hloroform	<0.50	ug/L	0.50	1.5	1			11/15/00	EAM	EPA 8021
hloromethane	<0.30	ug/L	0.30	1.1	1			11/15/00	EAM	EPA 8021

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

olid sample results reported on a Dry Weight Basis

CTI LAB#: 47902 Sample Description: MW10 Sampled: 11/7/00 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
ichlorodifluoromethane	<0.50	ug/L	0.50	1.8	1			11/15/00	EAM	EPA 8021
Diisopropyl ether	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
thylbenzene	<0.10	ug/L	0.10	0.30	1			11/15/00	EAM	EPA 8021
Hexachlorobutadiene	<0.60	ug/L	0.60	2.1	1			11/15/00	EAM	EPA 8021
opropylbenzene	3.4	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
-Isopropyltoluene	<0.20	ug/L	0.20	0.70	1			11/15/00	EAM	EPA 8021
Methyl tert-butyl ether	<1.1	ug/L	1.1	3.7	1			11/15/00	EAM	EPA 8021
lethylene chloride	<1.9	ug/L	1.9	6.3	1			11/15/00	EAM	EPA 8021
Naphthalene	<0.70	ug/L	0.70	2.4	1			11/15/00	EAM	EPA 8021
-Propylbenzene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
Tetrachloroethene	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
oluene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021
Trichloroethene	<0.30	ug/L	0.30	0.90	1			11/15/00	EAM	EPA 8021
richlorofluoromethane	<0.40	ug/L	0.40	1.2	1			11/15/00	EAM	EPA 8021
inyl chloride	<0.40	ug/L	0.40	1.3	1			11/15/00	EAM	EPA 8021
m & p-Xylene	<0.20	ug/L	0.20	0.80	1			11/15/00	EAM	EPA 8021
-Xylene	<0.10	ug/L	0.10	0.40	1			11/15/00	EAM	EPA 8021

Notes: * Indicates Value in between LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: DL

Record Reviewer

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

Page __ of __

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Hydrologists • Engineers • Geologists

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS

No: 14763

11383

Check office originating request

- [ ] 1214 W. Venture Ct., Mequon, WI 53092, 414-241-3133, FAX 414-241-8222
- [ ] 372 West County Road D, New Brighton, MN 55112, 651-635-9100, FAX 651-635-0643
- [ ] 954 Circle Drive, Green Bay, WI 54304, 920-592-8400, FAX 920-592-8444
- [X] 330 South 4th Avenue, Park Falls, WI 54552, 715-762-1544, FAX 715-762-1844
- [ ] ______
- [ ] 1203 Storbeck Drive, Waupun, WI 53963, 920-324-8600, FAX 920-324-3023
- [ ] 3211 Arnold Lane, Northbrook, IL 60062, 847-562-8577, FAX 847-562-8552
- [ ] 2222 Hwy 52 North, Ste 210, Rochester, MN 55901, 507-282-3800, FAX 507-282-3100
- [ ] 31628 Glendale Ave. Ste 100, Livonia, MI 48150, 734-422-2624, FAX 734-422-3530

Project No: DNR0H-1510-0340 Task No:

Project Location (city): Tomahawk, WI

Project Manager: Tim McCormick

Sampler (name): Shan M. Moquin

Sampler (Signature): Shan M. Moquin

Sampling Date(s): 11-7-00

Reports to be Sent to: Tim McCormick

Laboratory: CTI

Wisconsin DNR Certification #: 157066030

Laboratory Contact: Janet Faivre

Price Quote: Submitted Bid

TURNAROUND TIME REQUIRED: [X] Normal [ ] Rush

Date Needed: ______

Sample Integrity - To be completed by receiving lab
Seal intact upon receipt [ ] yes [ ] no
Method of shipment ______
Contents Temperature ______ °C Refrigerator No. ______

Lab ID No.	Sample No.	Collection Date	Collection Time	No. of Containers, Size & Type	Water	Soil	Other	Preservative	DRO (WI Modified Method)	GRO (WI Modified Method)	BETX (EPA Method 8020)	PVOC (EPA Method 8020)	VOC (EPA Method 8021)	PAH (EPA Method —)	Pb (EPA Method —)	Ammonia-Nitrogen	Alkalinity	Chloride	COD	Hardness	Nitrate+Nitrite as N	Sulfate
47889	MW 1	11-7-00	0955	1-1L, 3-40ml, 1-500ml, 2-250ml	X			HNO3, H2SO4, HCl, ice					X	X		X	X	X	X	X	X	X
47893	MW 2	↓	1020	↓	X			↓					X	X		X	X	X	X	X	X	X
47894	MW 3	↓	1035	↓	X			↓					X	X		X	X	X	X	X	X	X
47895	MW 4	↓	1305	↓	X			↓					X	X		X	X	X	X	X	X	X
47896	MW 4A	↓	1330	↓	X			↓					X	X		X	X	X	X	X	X	X
47897	MW 5	↓	1225	↓	X			↓					X	X		X	X	X	X	X	X	X
47898	MW 6	↓	1350	↓	X			↓					X	X		X	X	X	X	X	X	X
47899	MW 7	↓	1420	↓	X			↓					X	X		X	X	X	X	X	X	X
478900	MW 8	↓	1150	↓	X			↓					X	X		X	X	X	X	X	X	X
478901	MW 9	↓	1105	↓	X			↓					X	X		X	X	X	X	X	X	X

Packed for Shipping by: Shan M. Moquin

Shipment Date: 11-8-00

Comments:

ICE PRESENT: (YES) NO

TEMPERATURE 0.6 °C

INITIALS AR

DATE 11/9/00 TIME 16:03

Relinquished By: Shan M. Moquin	Date: 11-8-00	Relinquished By:	Date:	Relinquished By:	Date:
Company: NETI	Time:	Company:	Time:	Company:	Time:
Received By: [illegible]	Date: 11/08/00	Received By: K. Berman	Date: 11-9	Received By:	Date:
Company: [illegible]	Time: 1515	Company:	Time: 4:25	Company:	Time:

Northern Environmental
Hydrologists • Engineers • Geologists

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS

No: 14764

Check office originating request

- ☐ 1214 W. Venture Ct. Mequon, WI 53092 414-241-3133 FAX 414-241-8222
- ☐ 372 West County Road D New Brighton, MN 55112 651-635-9100 FAX 651-635-0643
- ☐ 954 Circle Drive Green Bay, WI 54304 920-592-8400 FAX 920-592-8444
- ☒ 330 South 4th Avenue Park Falls, WI 54552 715-762-1544 FAX 715-762-1844
- ☐ _____
- ☐ 1203 Storbeck Drive Waupun, WI 53963 920-324-8600 FAX 920-324-3023
- ☐ 3211 Arnold Lane Northbrook, IL 60062 847-562-8577 FAX 847-562-8552
- ☐ 2222 Hwy 52 North, Ste 210 Rochester, MN 55901 507-282-3800 FAX 507-282-3100
- ☐ 31628 Glendale Ave. Ste 100 Livonia, MI 48150 734-422-2624 FAX 734-422-3530

11383

Project No: DNROW-1510-03HO Task No: _____
Project Location: (city) Tomahawk, WI
Project Manager: Tim McCormick
Sampler: (name) Shan M. Moquin
Sampler: (Signature) Shan M. Moquin
Sampling Date(s): 11-7-00
Reports to be Sent to: Tim McCormick

Laboratory: CTI
Wisconsin DNR Certification #: 157060030
Laboratory Contact: Janet Faivre
Price Quote: Submitted Bid

TURNAROUND TIME REQUIRED
☒ Normal ☐ Rush
Date Needed _____

Sample Integrity - To be completed by receiving lab
Seal intact upon receipt ☐ yes ☐ no
Method of shipment _____
Contents Temperature _____ °C Refrigerator No. _____

ANALYSES REQUESTED

Lab ID No.	Sample No.	Collection Date	Collection Time	No. of Containers, Size & Type	Description Water	Description Soil	Description Other	Preservative	DRO (WI Modified Method)	GRO (WI Modified Method)	BETX (EPA Method 8020)	PVOC (EPA Method 8020)	VOC (EPA Method 8021)	PAH (EPA Method)	Pb (EPA Method)	Ammonia - Nitrogen	Alkalinity	Chloride	COD	Hardness	Nitrate + Nitrite as N	Sulfate
478902	MW10	11-7-00	1200	1-1L, 3-40ml, 1-500ml, 2-250ml	X			HNO_3, H_2SO_4, ice, HCl					X	X		X	X	X	X	X	X	X

ICE PRESENT: (YES) NO
TEMPERATURE 0.6 °C
INITIALS NR
DATE 11/9/00 TIME 16:03

Packed for Shipping by: Shan M. Moquin
Shipment Date: 11-8-00

Comments:

Relinquished By: Shan M. Moquin	Date: 11-8-00	Relinquished By:	Date:	Relinquished By:	Date:
Company: NETI	Time:	Company:	Time:	Company:	Time:
Received By: P. Van Dyan	Date: 11/08/00	Received By: K. Burman	Date: 11-9	Received By:	Date:
Company: [illegible]	Time: 15:00 P	Company:	Time: 425	Company:	Time:

APPENDIX J

HOURLY ACTIVITY LOGS

6/14/17
DNR

Weather: Scattered Showers
65° - 75°

Safety: D

Objective: Install 2 MWs

Equipment: PID
truck

Personnel: BJF

1330 - Drillers off site

1430 - Leave site

BJF

* drillers said they will charge for 10' extra - 2.5' + 7.5' spusals.

9/14/00
DNR

9:18 - Arrive on site
- open gates
945 - Safety meeting + utility check
1004 - Call Board + complain about drillers not working in the rain. He promised to call Jeff (crew chief)

1010 - Begin B900 / MW9 (6-16')

1005 - Locate well marked "4"
Probably MW8
1050-1120 - Cannot find MW7

1125 - Locate MW-6 marked "15"

1130 - Begin B1000 / MW10

1230 - Locate MW2 marked with "1" + "2"

1245 - Locate MW3 Marked "3"

1259 - Locate MW5 Marked "7"

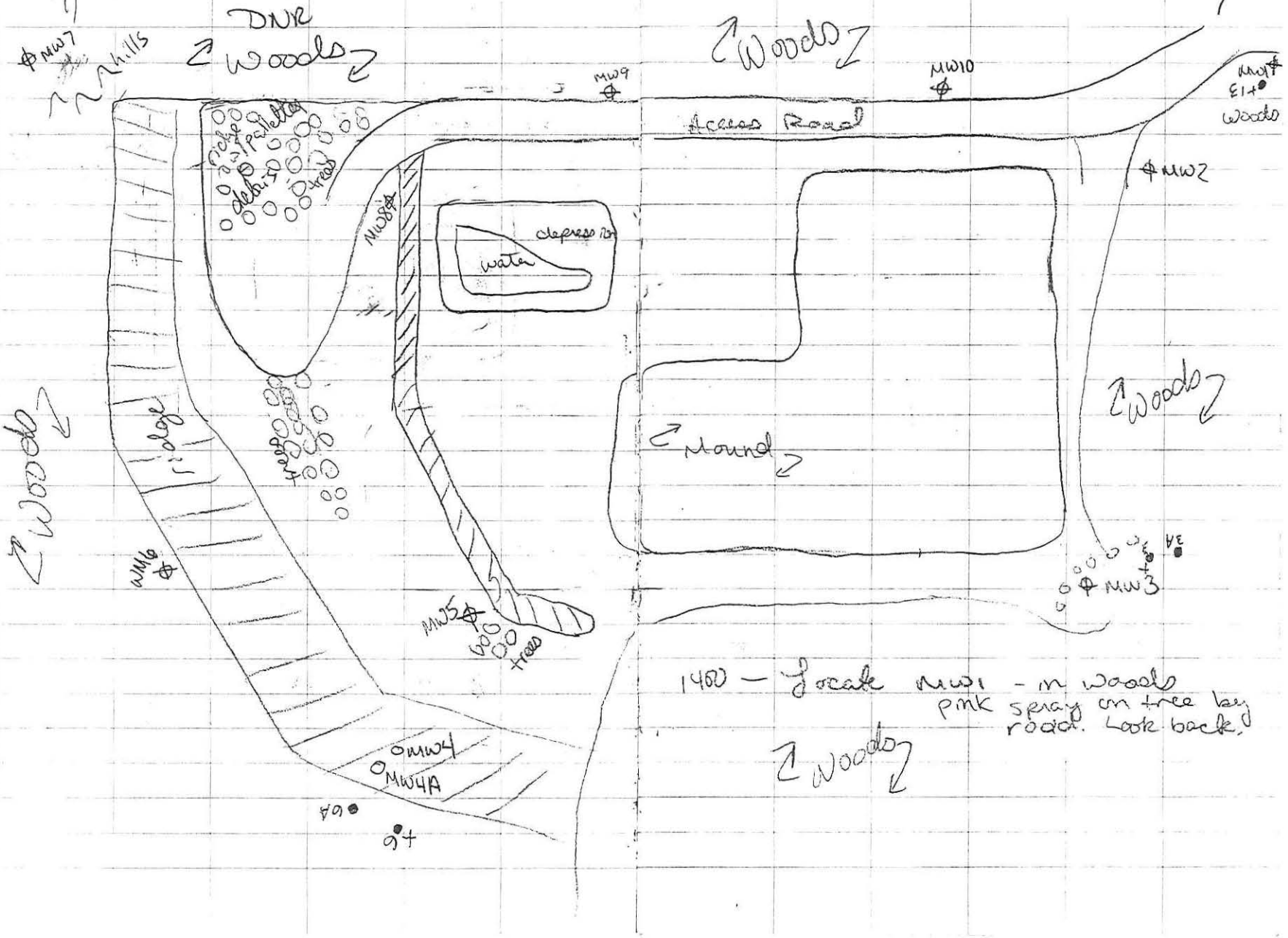
Sample	depth	TC	TA	PID	Description
S901	0-2	1020	1052	6	Mod. gr. st. br. sand w/ organics (topsoil) few silt + fine gravel dry
S902	2.5-4.5	1028	1053	7	f sand. few c. grains br dry
S903	5-7	1033	1054	8	SAA few L. gravel dry
S904	7.5-9.5	1038	1055	9	" more C. sand grains more L. gravel dry
S905	10-12	1043	1058	9	St. br. Sat all f.L. rounded Silty sand f-C gravel
S906	12.5-14.5	1050	1105	7	grey silty sand Sat to sandy silt.

↑ MW-9 Well set 6-16'
1100-1300 develop MW9 20 gals removed went dry 5 times

Sample	depth	TC	TA	PID	Description
S1001	0-2	1140	1146	18	SAA
S1002	2.5-4.5	1145	1201	8	"
S1003	5-7	1150	1206	22	" moist
—	7.5-9.5	1211	—	—	rock + cobble drill ref.
S1004	10-12	1220	1236	7	dry-moist SA904
S1005	12.5-14.5	1230	1246	8	SA905 Sat
S1006	15-17	1239	1255	6	"

↑ MW-10 Well Set 7-17'
1315-1415 develop MW10 5 gals rem went dry 5 times
1305 - Locate MW4 + 4A
(no yellow marker. Just brown stick-ups like MW9 + 10.
Can be seen behind MW5
1320 - find MW-7 (Marked 14)
Look into woods

9/14/00



1400 — locate MW1 - in woods
pink spray on tree by road. Look back!

DNR04-1510-0340
10-10-04

Personnel: SMM

Objective: ~~Survey wells with Boundary Hunters Surveying~~ & Sample Wells

Equipment: Truck, Bailers, Pens, D.O. Meter, SWLP

Weather: Sunny, High 60's

Safety: E

0955 Arrive on Site
1705 Leave Site

SMM

SMM

DNR04-1510-0340
10-10-08

	Well #	DTW	Time	
regular	MW1	12.16	1040	
small	MW2	14.49	1044	
regular	MW3	6.14	1049	
regular	MW4	9.72	1054	
regular	MW4A	10.01	1056	
small	MW5	5.94	1052	
small	MW6	6.90	1059	
small	MW7	7.81	1103	
small	MW8	9.64	1107	dont bail
regular	MW9	14.00	1035	
regular	MW10	17.51	1037	dont bail

MW1 being sampled for Temp, pH Cond, Ammonia-Nitrogen, Alkalinity, Chloride, COD, Hardness, Nitrate, Sulfate, VOC, PAH,

MW2, MW4A, MW5, MW6, MW7, MW8 MW9 being sampled for all of the above plus Arsenic, Cadmium, Chromium, Lead

SMM

DNR04-1510-0340
10-10-08

MW3, MW4, MW10 being sampled for all of above plus Dioxins and Furans and PCBs

1215 Sample MW1
Temp 11.9 Cond 20
pH 9.6

1355 Sample MW2
Temp 13.1 Cond 190
pH 9.1

1310 Sample MW3
Temp 13.3 Cond 230
pH 9.2

1535 Sample MW4
Temp 13.1 Cond 330
pH 8.7

SMM

12H/ DNROH- 1510-0340
10-10-88

1520 Sample MW4A
Temp 13.1 Cond 500
pH 8.7

1500 Sample MW 5
Temp 13.3 Cond 610
pH 8.9

1600 Sample MW 6
Temp 12.0 Cond 280
pH 8.6

1630 Sample MW 7
Temp 12.0 Cond 50
pH 8.9

1435 Sample MW 8
Temp 12.8 Cond 10
pH 9.3

1135 Sample MW 9
Temp 13.2 Cond 140
pH 10.3

SSMM

DNROH- 1510-0340
10-10-88 5/

1650 Sample MW 10
Temp 12.8 Cond 270
pH 9.7

SSMM

14

DNR04-1510-0340 1/5
11-7-00
Personnel: SMM

Objective: GW Sample,
Take elevations with GPS

Equipment: Truck, Bailers
Swell, Pens, D.O. Meter

Weather: Cloudy, Rain, 45°

Safety: E

0935 Arrive on Site
1635 Leave Site

SMM

SMM

DNR OH-1510-0340
11-7-00

Well #	DTW	Time
MW1	12.68	0940
MW2	14.82	0959
MW3	6.09	1023
MWH	9.47	1251
MWHA	9.83	1250
MW5	5.86	1203
MW6	6.73	1332
MW7	8.09	1358
MW8	10.22	1122
MW9	14.54	1054
MW10	17.91	1044

All wells being sample for Temp, pH, Cond, Ammonia-Nitrogen, Alkalinity, Chloride, COD, Hardness, Nitrate + Nitrite as N, Sulfate, VOC, PAH

SMM

DNR OH-1510-0340
11-7-00

0955 Sample MW1
Temp 9.8 Cond 20 pH 9.8

1020 Sample MW2
Temp 10.9 Cond 240 pH 9.3

1035 Sample MW3
Temp 9.7 Cond 350 pH 8.9

1305 Sample MWH
Temp 11.0 Cond 600 pH 9.9

1330 Sample MWHA
Temp 11.1 Cond 580 pH 9.5

1225 Sample MW5
Temp 10.3 Cond 650 pH 8.4

1350 Sample MW6
Temp 10.0 Cond 290 pH 8.7

1420 Sample MW7
Temp 9.8 Cond 50 pH 10.5

SMM

DNROH- 1510-0340
11-7-00

1150 Sample MW8
Temp 10.6 Cond 10 pH 9.1

1105 Sample MW9
Temp 10.9 Cond 100 pH 8.8

1200 Sample MW10
Temp 10.2 Cond 300 pH 8.9

	TOR	TOG
MW1		
MW2		
MW3		
MW4		
MW4A		
MW5		
MW6		
MW7		
MW8		
MW9		
MW10		

Wilderness surveying to fax us TOR & TOG elevations

S_{SMM}