NEWFIELDS

February 11, 2005

Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Madison, Wisconsin 53711

Attn: Mr. Hank Kuehling

RE: NewFields Project No. 0451-002-800 WDNR BRRTs No. 03-28-176509 Hydrogeologic Site Investigation Status Report D.B. Oaks Facility, 700-710 Oak Street, Ft. Atkinson, Wisconsin

Dear Mr. Kuehling:

NewFields has prepared this status report for the completion of a hydrogeologic site investigation at the above referenced facility. These activities were completed in accordance with our November 8, 2004 Work Plan. This report includes a brief site history, a description of completed activities, site investigation results, and recommendations for additional site characterization.

1.0 SITE HISTORY

NewFields understands that Thomas Industries previously owned and operated a manufacturing facility at 700 Oak Street in Ft. Atkinson, Wisconsin (see Figure 1). Residential lighting fixtures were manufactured at the facility by Moe Brothers Manufacturing beginning in 1939; Moe Brothers Manufacturing changed its name to Moe Lighting in 1939 and was acquired by Thomas Industries in 1948. Lighting fixtures continued to be manufactured at the facility until 1985 when Thomas sold the facility. The Wand Corporation (Wand) subsequently utilized the facility to manufacture storm doors and windows in 1985, but vacated the building by 1992. Two other businesses (Gross EMO and Wisconsin Packaging Corporation) occupied portions of the property between 1986 and 1994. Miller Machining began operating at a portion of the property in 1994. The building is currently occupied by Miller Machining and Five Alarm Fire and Safety Equipment. The building is owned by D.B. Oaks.

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In an August 28, 1985 letter to Wand, RMT, Inc. identified a 10,000 gallon above ground storage tank (AST) that was used to store tetrachloroethene (PCE), and an 18,000 gallon underground storage tank (UST) that held No. 2 fuel oil. The Wisconsin Department of Natural Resources (WDNR) subsequently performed a generator inspection on March 27, 1986, completed at the time Wand had occupied the property. The inspection was completed by Wendell Wojner of the WDNR and described in an April, 1986 memo. As described in that memo, no hazardous waste was observed during the inspection. The inspection report indicated that the site had been decontaminated prior to remodeling the building. Decontamination included the removal of all hazardous waste stored on site, and the decontamination and removal of wastewater treatment tanks and degreasers. An electroplating line had been dismantled, and a new concrete floor installed; the old concrete floor had also been removed and transported off-site for disposal. A foundation for a large AST remained on site at the rear of the building, but the tank had been removed.

During a March 16, 1994 Phase I Environmental Site Assessment (ESA), Gabriel Midwest could not find evidence of the fuel oil UST. It also observed that the AST that held PCE was gone, and confirmed that the concrete AST cradle remained on-site. In March 1995 ATEC Associates Inc. (ATEC) completed a Phase II ESA of the D.B. Oaks facility to identify potential releases from the former fuel oil UST, PCE AST, and a former 500 gallon gasoline UST; the latter was not identified in previous reports. The Phase II ESA consisted of the collection of soil and groundwater samples from Geoprobe borings. Trace levels of petroleum constituents (ethylbenzene, toluene, and xylenes) along with low concentrations of metals (arsenic, barium, chromium, and lead) were detected in soil and groundwater samples at various locations on the facility property. However, PCE and associated degradation products were detected in soil and groundwater samples along the east and south sides of the facility building. These compounds were detected at concentrations several orders of magnitude above regulatory standards. ATEC described the results of this investigation in a Phase II ESA report dated April, 1995.

The WDNR was subsequently notified of the release. Internal discussions between Thomas Industries and the WDNR subsequently followed. However, further activity was delayed until March 2004. At that time, the WDNR issued a letter requesting an immediate site investigation. The WDNR stated in that letter that the current owner of the property informed the Agency that it never used nor caused a release of PCE during its operations. Consequently, the Agency requested that Thomas Industries complete a site investigation to identify the lateral and vertical extent of subsurface contamination associated with the PCE release.



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2.0 COMPLETED SITE ACTIVITIES

NewFields completed a hydrogeologic investigation at the D.B. Oaks facility in accordance with our Work Plan dated November 8, 2004. The hydrogeologic investigation consisted of the installation of five water table observation wells, two piezometers, well development, the collection of one round of groundwater samples for volatile organic compound (VOC) analysis, groundwater elevation measurements, and in-situ permeability tests. A description of these completed actives follows.

Monitoring Wells Installation and Well Development

NewFields coordinated the installation of five water table observation wells and two piezometers at the D.B. Oaks facility between December 8 and 10, 2004. Water table observation wells MW-1 and MW-2 were installed on the south side of the facility building as down gradient monitoring wells. Well MW-3 and MW-4 were installed on the east side of the facility building; well MW-3 was installed down gradient (south) from the former PCE tank adjacent to the facility building, and well MW-4 was installed in the vicinity of the former PCE tank. Well MW-5 was installed on the north side of the facility building up gradient from the former PCE tank. Piezometers MW-2A and MW-4A were installed adjacent to wells MW-2 and MW-4, respectively. Well locations are shown on Figure 2.

All monitoring wells were installed in boreholes advanced with hollow stem augers utilizing a truck mounted rotary drill rig. Soil samples were collected with a split-barrel sampler (split spoon), visually classified in accordance with the Unified Soil Classification System, and recorded on soil boring logs. Soil samples collected from the unsaturated zone were also field screened with a hand held photo-ionization device (PID) equipped with an 11.7 eV lamp. PID field measurements were recorded on soil boring logs. Soil boring logs. Soil boring logs are included in Appendix A.

Water table observation wells were constructed with two-inch diameter schedule 40 PVC well casings and screens. The water table was encountered between seven and 13 feet below ground surface, and water table observation wells were installed at depths between 13 and 18 feet below ground surface with well screens 10 feet in length placed between six and eight feet below the water table. Piezometers were constructed with well screens five-feet in length at depths 25 feet below the water table observation wells (approximately 40 feet below ground surface). Top of screen and bottom of screen elevations are summarized in Table 1, and well construction forms are also included in Appendix A.



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Following well installation monitoring wells were developed by NewFields. Well development was completed by surging and purging ten well casing volumes. Well development forms are included in Appendix A.

Purge water was placed in 55-gallon drums, and temporarily stored on-site. Soil cuttings were also placed in 55-gallon drums and temporarily stored on-site. These drummed materials were subsequently transported off-site for disposal by Onyx. Drilling services were provided by Badger State Drilling Company, Inc. of Stoughton, Wisconsin.

Groundwater Elevations

NewFields surveyed the top of each well casing elevation and ground surface elevation at each well location relative to site datum. Prior to collecting groundwater samples on December 16, 2004, static water levels were measured in all site monitoring wells. Reference elevations, ground surface elevations, depth to water measurements, and groundwater elevations are summarized in Table 1. Groundwater elevations measured on December 16, 2004 are shown on Figure 2.

Groundwater Sample Collection

Groundwater samples were collected on December 16, 2004. Prior to sample collection, four well casing volumes were purged from each well. The purge water was placed in 55 gallon drums along with the well development purge water described above, and temporarily stored until arrangements for disposal can be made. Groundwater samples were collected with bailers equipped with bottom emptying devices; a bailer was dedicated to each well. Laboratory provided containers were filled, held in a cooler on ice, and shipped to a Wisconsin-certified environmental laboratory for analyses. All samples were analyzed for volatile organic compounds (VOCs) by USEPA method 8260. In accordance with WDNR guidance, one duplicate sample and a trip blank were also analyzed for VOCs. Laboratory services were provided by Northern Lakes Service, Inc. of Crandon, Wisconsin. Groundwater monitoring results are summarized in Table 2, and on Figure 4. Laboratory reports are included in Appendix B.

Additionally, field measurements for pH, conductivity, temperature, oxidation-reduction potential, and dissolved oxygen were made at the time of sample collection. Field measurements are also summarized in Table 2.



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In-situ Permeability Test

NewFields also performed in-situ hydraulic conductivity tests on each monitoring well to determine the hydraulic conductivity of the soil unit near each monitoring well screen. In-situ hydraulic conductivity tests were performed on December 16, 2004 following groundwater sample collection. These tests were performed by rapidly removing a bailer, or "slug" of water from the well. A pressure transducer in the well and data logger were then used to measure the draw down and subsequent recovery of water elevations in the well. Because the recovery was rapid, two tests were performed at each well.

The hydraulic conductivity around each well screen was then calculated using the Bouwer and Rice Method with USGS provided spread sheets. Hydraulic conductivity estimates are summarized in Table 3, and in-situ hydraulic conductivity test results are included in Appendix C.

3.0 SITE INVESTIGATION RESULTS

A brief description of the hydrogeologic site investigation results follows.

Site Geology

Soil samples collected from water table observation well borings identified interbedded subsurface soil units consisting of clayey silt, silty clay, silt, clayey sand, silty sand, and sand. A fine to medium grained sand unit was encountered beneath these interbedded units to the maximum depth of our investigation in the piezometer borings. At the MW-2A location, interbedded units were encountered to a depth of 28 feet below ground surface (bgs). However, at the MW-4A location, interbedded units were encountered to a depth of 10 feet bgs. Groundwater Flow Conditions

Hydrogeologic investigation results indicate that the direction of groundwater flow is to the south-southwest. Based on December 16, 2004 groundwater elevations, the horizontal hydraulic gradient is 0.0167 ft/ft. At the MW-2/MW-2A well nest there is an upward vertical gradient of 0.04 ft/ft, and at the MW-4/MW-4A well nest there is a slight downward vertical gradient of 0.001 ft/ft. As shown in Table 3, the average hydraulic conductivity derived from water table observation wells is $3.32 \times 10-3$ cm/sec, and the average hydraulic conductivity derived from piezometers is $2.28 \times 10-2$ cm/sec. The average linear velocity of groundwater was calculated from the following equation:

$$v = \underline{ki}$$



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> where: v = average linear velocity of groundwater k = hydraulic conductivity i = horizontal gradient n = porosity

Assuming a porosity of 25%, the average linear velocity of groundwater is 0.63 feet per day, or approximately 230 feet per year.

Groundwater Quality

These groundwater sample results indicate that tetrachlorothene (PCE) has impacted groundwater quality on the D.B. Oaks property. Although the primary constituent of concern detected in groundwater samples is PCE, degradation, or daughter products of PCE were also detected in groundwater samples. Daughter products of PCE include trichloroethene (TCE), 1,1-dichloroethene (1,1 DCE), cis- and trans- 1,2-dichloroethene (cis DCE and trans DCE), and vinyl chloride. (Other constituents, including benzene, dichlorofluoromethane, and toluene were also detected at low concentrations. Dichlorofluoromethane is likely the result of laboratory contamination. Benzene (6.0 μ g/L) and toluene (0.25 μ g/L) were detected in the MW-4A sample. Although benzene exceeded the Enforcement Standard (ES), the low detected concentration plus its lack of detection in other samples indicates that benzene should not be considered a constituent of concern at this site.

As shown on Figures 3 and 4, the highest concentrations of total VOCs were detected in the MW-3 sample. Elevated total VOC concentrations were also detected in samples collected from well MW-4 located adjacent to the former PCE tank. In the MW-4 sample, TCE was detected at 10,000 μ g/L, and PCE was detected at 2,500 μ g/L. In the MW-3 sample, PCE was detected at 34, 000 μ g/L, TCE was detected at 17, 000 μ g/L, and cisDCE was detected at 6,800 μ g/L. These results indicate that the former PCE tank and its appurtenances (i.e. abandoned buried line leading to the facility building) is the likely source for PCE contamination, and that PCE is degrading to TCE and cisDCE with distance from the PCE tank. Between MW-3 and MW-2, PCE concentrations declined from 34,000 μ g/L to 120 μ g/L, and TCE concentrations declined from 17,000 μ g/L to 140 μ g/L. However, elevated concentrations of cisDCE were detected in both MW-2 (5,900 μ g/L) and MW-3 (6,800 μ g/L) samples. Low concentrations of other degradation products including 1,1 DCE (18 μ g/L), transDCE (32 μ g/L), and vinyl chloride (33 μ g/L) were also detected in the MW-2 sample. These results indicate that constituents continue to migrate with distance from the source area.

Although elevated concentrations of chlorinated VOCs were detected in samples collected from wells MW-2, MW-3, and MW-4, low concentrations of chlorinated VOCs were detected in



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samples collected from wells MW-1 and MW-5. As shown on Figure 4, this indicates that the chlorinated VOC plume located between the facility building and the railway corridor is elongated in the direction of groundwater flow. Samples collected from piezometers MW-2A and MW-3A indicate that contaminant concentrations decline significantly with depth. As shown in Table 2, PCE (44 μ g/L), TCE (69 μ g/L), cisDCE (380 μ g/L), and vinyl chloride (29 μ g/L) were detected in the MW-2A sample. PCE (7.1 μ g/L), TCE (23 μ g/L), and cisDCE (0.89 μ g/L) were also detected in the MW-4A sample. These values show that contaminant concentrations decline by orders of magnitude within 25 feet of the water table.

Because MW-2 is located on the southern property line, and constituents of concern exceed groundwater quality standards at this location, PCE and degradation products have likely migrated off-site. Additional monitoring wells will need to be installed, and additional groundwater samples will need to be collected to further characterize the lateral and vertical extent of the chlorinated VOC plume.

4.0 **RECOMMENDATIONS**

NewFields recommends that additional monitoring wells be installed at the D.B Oaks facility to further characterize groundwater flow conditions and the lateral and vertical extent of groundwater contamination. A water table well and nested piezometer should be placed between the railway corridor and Oak Street off-site between 600 and 700 feet down gradient from wells MW-2 and MW-2A. A piezometer should also be installed adjacent to well MW-3 to evaluate the vertical extent of subsurface contamination at that location.

NewFields also recommends that soil samples should be collected in the vicinity of the former PCE tank, and in the parking lot/driveway area between the railway corridor and facility building to further characterize this source area. These borings should be advanced in this area in a regular grid pattern (borings on 20 to 30 foot centers). At each boring location, soil samples should be collected every 2.5 feet to a depth of 10 feet, and analyzed for VOCs by a mobile laboratory. The mobile laboratory will provide real-time data, which will allow decisions to be made in the field that will facilitate identification of the lateral extent of subsurface contamination in the unsaturated zone. Figure 5 shows the layout of the proposed investigation.

Supplemental site investigation results and site investigation results presented in this report should be presented in a final site investigation report for submittal to the WDNR. Site investigation results should then be used to evaluate potential remedial responses, including, but not limited to, source removal (i.e. excavation), in-situ treatment, and/or source control (i.e. groundwater extraction, ozone sparging).



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Please contact us at (608) 442-5223 should you have any questions.

Sincerely,

NewFields

Mak & M' Collory

Mark S. McColloch, P.G. Senior Geologist

April & Trainor

Dave Trainor, P.E., P.G. Principal

cc: Mr. John Novak, Thomas IndustriesMr. William Mulligan, Davis & Kuelthau, S.C.Ms. Leah Krider, Foley & Lardner, L.L.P.

Attachments

- Table 1Groundwater Elevations
- Table 2Groundwater Sample Results
- Table 3
 Summary of In-Situ Hydraulic Conductivity Test Results
- Figure 1 Site Location Map
- Figure 2 Site Map and Groundwater Elevations
- Figure 3 Sample Locations and Summary of VOCs Detected in Groundwater
- Figure 4 Total VOC Isoconcentration Contours for Groundwater
- Figure 5 Proposed Supplemental Investigation
- Appendix A Soil Boring Logs, Well Construction Forms, and Well Development Forms
- Appendix B Laboratory Reports Groundwater Samples
- Appendix C In-Situ Hydraulic Conductivity Test Results

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TABLES

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Table 1 Groundwater Elevations D.B Oaks Facility, Fort Atkinson, Wisconsin

Well	Reference	Ground	Top of Screen	Bottom of	Depth to	Groundwater
Location	Elevation	Surface	Elevation	Screen	Water	Elevation
		Elevation		Elevation		
MW-1	97.71	95.7	87.7	77.7	12.77	85.14
MW-2	95.63	95.9	90.4	80.4	10.59	85.04
MW-2A	95.67	95.9	60.9	55.9	10.76	84.91
MW-3	97.81	95.5	92.5	82.5	7.09	90.72
MW-4	103.76	100.5	95.5	85.5	8.11	95.65
MW-4A	103.66	100.5	66.5	61.5	7.99	95.67
MW-5	102.39	100.0	96.0	84.0	7.83	94.56

Groundwater elevations measured on December 16, 2004. All elevations relative to site datum.

Well Location	Units	MW-1	MW-2	MW-2A	MW-3	MW-4	Dup 1 (MW-4)	MW-4A	MW-5	PAL	ES
Lotution				VC	Cs						
Benzene	μg/L	< 0.12	<5.8	<5.8	<508	<58	<58	6.0	<0.12	0.5	5
Dichlorofluoromethane	μg/L	< 0.15	<7.7	<7.7	<770	<77	<77	<0.49>	< 0.15	200	1,000
1,1-Dichloroethene	μg/L	< 0.24	<18>	<12	<1,200	<120	<120	< 0.24	< 0.24	0.7	7
cis-1,2-Dichloroethene	μg/L	<0.14>	5,900	380	6,800	<66	<66	0.89	<0.21>	7	70
trans-1,2-Dichloroethene	μg/L	< 0.11	32	<5.4	<540	<54	<54	< 0.11	< 0.11	20	100
Tetrachloroethene	μg/L	< 0.13	120	44	34,000	2,500	2,300	7.1	2.3	0.5	5
Toluene	μg/L	< 0.20	<10	<10	<1,000	<100	<100	<0.25>	< 0.20	200	1,000
Trichloroethene	µg/L	< 0.12	140	69	17,000	10,000	8,900	23	1.2	0.5	5
Vinyl Chloride	µg/L	< 0.16	33	<29>	<820	<82	<82	< 0.16	< 0.16	0.02	0.2
Total VOCs	μg/L	0.14	6,243	522	57,800	12,500	11,200	37.73	3.71		
				Field Mea	surement	s					
pH	pH Units	7.09	7.5	7.31	7.54	7.49		7.38	6.85		
Conductivity	μS	752	937	638	685	656		614	1,124		
Temperature	C ^o	11.8	12.3	10.9	10.6	11.4		11.1	10.3		
Oxidation-reduction potential	mV	119	107	90	44	48		52	157		
Dissolved oxygen	mg/L	5.24	0.69	1.92	0.22	0.53		2.44	3.98		

Table2Groundwater Sample Results – Volatile Organic Compounds (VOCs) and Field MeasurementsD.B Oaks Facility, Fort Atkinson, Wisconsin

PAL - Preventive Action Limit per Wisconsin Admin. Code sec. NR 141.10.

ES - Enforcement Standard per Wisconsin Admin. Code sec. NR 141.10.

< - Detected below Limit of Detection.

< > - Detected above Limit of Detection, but below Limit of Quantification

Concentrations exceeding the ES have been shaded.

Concentrations exceeding the PAL are in italics.

Well Location	Trial #1 Hydraulic Conductivity (cm/sec)	Trial #2 Hydraulic Conductivity (cm/sec)	Trial #3 Hydraulic Conductivity (cm/sec)	Water Table Observation Well Average Hydraulic Conductivity (cm/sec)	Piezometer Average Hydraulic Conductivity (cm/sec)
MW-1	3.53 x 10 ⁻³	7.06 x 10 ⁻³		$5.30 \ge 10^{-3}$	
MW-2	1.06 x 10 ⁻³	1.06 x 10 ⁻³		1.06 x 10 ⁻³	
MW-2A	1.69 x 10 ⁻²	1.76 x 10 ⁻²			1.73×10^{-2}
MW-3	1.76 x 10 ⁻³	2.82×10^{-3}		2.29 x 10 ⁻³	
MW-4	3.53 x 10 ⁻³	7.06 x 10 ⁻³		5.30 x 10 ⁻³	
MW-4A	2.54 x 10 ⁻²	2.96 x 10 ⁻²	2.96 x 10 ⁻²		2.82×10^{-2}
MW-5	2.12 x 10 ⁻³	3.18 x 10 ⁻³		2.65 x 10 ⁻³	
			Average	3.32 x 10 ⁻³	2.28×10^{-2}

Table 3Summary of In-Situ Hydraulic Conductivity Test ResultsD.B Oaks Facility, Fort Atkinson, Wisconsin

FIGURES

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NOTES

SOURCES:

ATEC, SITE PLAN AND GEOPROBE BORINGS, MARCH 30, 1995.

AERIAL PHOTO, APRIL 21, 1996.



2110 Luann Lane - Suite 101 Madison, Wisconsin 53713 Phone (608) 442-5223 Fax (608) 442-9013

FIGURE 2 SITE MAP AND GROUNDWATER ELEVATIONS

> FORMER THOMAS INDUSTRIES FORT ATKINSON, WISCONSIN

> > FEBRUARY 2005







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APPENDIX A

SOIL BORING LOGS, WELL CONSTRUCTION FORMS, AND WELL DEVELOPMENT FORMS

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				C	Wastewater		🛛 Wat	er Reso	ources	;								
				C	Emergency R	lesponse	C Othe	er						P	age _1	of _	2	
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This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A 7-91

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6	24	8,20 23,17	- 15 - 16	CLAY, trace fine sand, trace fine subrounded gravel, moist, firm, medium plasticity, gray	CL			0	43					
7	24	7,23 16,27	17 18 	SAND, clayey, trace fine subrounded gravel, moist, medium dense, medium plasticity, light yellow brown	sc			0	39					
			19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	EOB at 19 feet BGS, set well MW-1										

State of Wisconsin Department of Natural Resources	Route to: S Env. Respor	olid Waste 🗆 Haz. Wast se & Repair 🗆 Undergrou	e 🛛 Waste ind Tanks 🗖	water 🗆 Other	o		MONI Form 4	FORING WE	LL CONSTRU Re	UCTION ev. 4-90
Facility/Project Name DB Oaks Facility Fort Atkinson, Wisconsin		Local Grid Location of W ft. D N	ell	_ft. 0	E. W.	Well Na	me	MW-1		
Facility License, Permit or Monitoring No.	umber	Grid Origin Location	Long		<u></u>	Wis. L P	Inique Well Nu P 4 8 9	mber	DNR Well I	lumber
Type of Well Water Table Observation Piezometer	Well 11	St. Plane	ft. N,		ft. E.	Date We	ell Installed	$\frac{1}{m}\frac{2}{m}/\frac{1}{m}$	$\frac{0}{1} \frac{8}{d} \frac{0}{v}$	4
Distance Well Is From Waste/Source Bou	indary	Section Location of Waste 1/4 of 1/4 of Sec.	/Source , T.	N, R.	OE OW	Well Ins	talled By: (Per	son's Name a	nd Firm)	<u> </u>
Is Well A Point of Enforcement Std. App	lication?	Location of Well Relative u Dupgradient d Downgradient	to Waste/So s - C n C	ource Sidegra Not Ki	adient nown		Badger St	tate Drilling		
A. Protective pipe, top elevation	ft	MSL			. Cap and	lock?			∎ Yes □	No
B. Well casing, top elevation	ft	MSL	- `>	2	. Protectiv	e cover p diameter	ipe:		4 () in
C. Land surface elevation	. ft	MSL			b. Lengt	h:	•		<u> </u>	<u>ft.</u>
D Surface scal bottom	+ MSL or	1 0 0 .			c. Mater	ial:	Stick up		Steel	
				7	d Addit	ional prot	ection?	·····	Uther □	L <u>ocal</u> No
I2. USCS classification of soil near sci GP II GM II GC II GW II	reen: sw 🗆 sp				If yes	, describe	:			NO
SM C SC ML MH C	CL CH			3	. Surface s	seal:			Bentonite	30
Bedrock 🛛		_	881	$\mathbf{\mathbf{N}}$		NT-4!-	u Cail		Concrete	0 1
13 Sieve analysis attached? Ver	. m in	io l		$\left \right\rangle$	Matarial	Nativ			Other	
	. –.			4	. Materia	between	wen casing and	i protective pi	Bentonite	30
14. Drilling method used:	Rotary D 5	0				<u>.</u>		Annula	r Space Seal 🗆	
Hollow Ster	m Auger 🔳 4					Unic	#5 sand		Other	
15. Drilling fluid used: Water 0 2	2 Air 🗖 🤇	1	88-		- 5. Ann	ular space	seal:	a. Granula	r Bentonite 🛛	33
Drilling Mud 0	3 None 🔳	9			b	Lbs/gal 1	mud weight	Bentonite	-sand slurry	3 5
16 Drilling additives used?	s 🔳 1	ło			с	Lbs/gal 1	nud weight	Bent	tonite slurry	31
					u e.	_76 Dentor	³ volume added	for any of th	e above	50
Describe:			88		f. How	installed:		•	Tremie 🗖	01
17 Source of water (attached analysis)	•							Trei	nie pumped	
17. Source of water (attached analysis)	•								Gravity	108
				/6	. Bentonit	e seal:		a. Bentor	ite granules 🗆	33
					b. Ц	1/4 in.	■ 3/8 in. □ 1 330 lbs	/2 in. Bent	Other	32 6000
E. Bentonite seal, top	ft MSL or	<u>1</u> . <u>0</u> ft 🔨		/	Fine san	d materia	l. Manufacture	r product par	ne & mesh size	
F. Fine sand, top	ft MSL or	6_0_ft	88/	' / '	a		#40/60 Badge	r Mining fine	silica	
G Filter nack ton	ft MSL or	7 0 0			b. Volu	me added	50	ІБ		
H. Screen joint, top	ft MSL or				a. b. Volu	me added	Ohio #5 sand 300	lb		
I. Well bettern				9). Well cas	sing:		hreaded PVC	schedule 40	23
		·-·-"					Flush t	hreaded PVC	schedule 80 🗆 Other 🗖	
J. Filter pack, bottom	ft MSL or	<u>•</u> . <u>•</u> ft		- 1	0 Screen	material	Sch. 4	0 PVC		िल्ला
K. Borehole, bottom	ft MSL or	$\underline{9} \cdot \underline{0} \text{ ft}$			a. Scre	en type:		Cor	Factory cut	
L. Borehole, diameter $\underline{8} \cdot \underline{3}$	_ in.				h Mar	ufacturer	Time	0	Other	
M. O.D. well casing 2.37	_ in.		mills		c. Slot	size	i mic	<u>~ </u>	0.0	$\frac{1}{0} \frac{0}{0}$ in.
N. I.D. well casing 2.06	<u>5</u> in.			\mathbf{i}	u. Slot 11. Backfi	leu length ll materia	ı. 1 (below filler 1	back):	<u> </u>	<u>, v</u> n. 14
									Other	

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

NewFields, Madison, Wisconsin

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

State of Wisconsin Department of Natural Resources	Route to: Env. Resp	Solid Waste	Haz. Waste 🛛 Was Underground Tanks	tewater 🛛		MONITORING W Form 4400-113B	ELL CONSTRUCTION Rev. 4-90
Facility/Project Name	thingon WI	County Name	lefferson		Well Nar	me MW-1	
Facility License, Permit or Monitoring	Number	County Code	Wis. Unique Wel	I Numher		DNR Well Number	
<u> </u>	<u> </u>	8		<u>4 0 9</u>	<u></u>		
1. Can this well be purged dry?		🗆 Yes 🔳 No				Before Development	After Development
			11. Depth to W	ater (from top of well	l casing)	a. <u>12.83</u> ft.	ft.
2. Well development method		- <i>i i</i>					
surged with bailer and bailed surged with bailer and pumped			Date			b. $\frac{12}{mm} \frac{09}{d} \frac{9}{04}$	$\frac{1}{m}\frac{2}{d}\frac{1}{d}\frac{0}{d}\frac{0}{y}\frac{4}{y}$
surged with block and bailed surged with block and pumped							
surged with block, bailed and pu	mped	\Box_{70}	Time			c. $1 5: 0 0$ p.m.	$1 2 : 0 0 \blacksquare p.m.$
bailer only							
pumped slowly				11.1			
Other			12. Sediment n	n well bottom		inches	
2 Time ment developing well		120 min					
5. The spent developing wen		<u> </u>	13. Water clari	ity		Clear 10	Clear 20
4. Depth of well (from top of well casi	ng)	<u>2 1 3 ft.</u>				Turbid 1 5 (Describe)	Turbid 2 5 (Describe)
						Brown High turbidity	Light gray Low turbidity
5. Inside diameter of well		<u>2</u> . <u>0</u> 6 in.					
Volume of waters in filter pack and casing	well	1 . 4 _{gal.}				· · · · · · · · · · · · · · · · · · ·	
-			Fill in if drillin	g fluids were used and	l well is a	t solid waste facility.	
7. Volume of water removed from wel	1	$\underline{}$ $\underline{}$ $\underline{}$ $\underline{}$ $\underline{}$ gal.					
8. Volume of water added (if any)		. gal.	14. Total suspe	ended solids		mg/l	mg/l
9. Source of water added			15 COD			mg/l	mg/l
							mg/
	10						
10. Analysis performed on water adde (If yes, attach results)	d?	U Yes INO	I				
16 Additional comments on develops	mont:						
10. Additional comments on develop	nent.						
Surged, then baile Pumped 25 gallon	d 20 gallons s						
Total removed $= 5$	5 gallons						
Well developed by: Person's Name as	nd Firm		I hereby certif of my knowled	fy that the above in dge.	nformat	ion is true and correc	et to the best
Name: Derek Zoellne	r		Signature:				
			Print Initials:	D D Z			
Firm: NewFields, M	adison, WI		Firm	NewFields, Madi	ison, Wis	sconsin	
NOTE: Shaded areas are for DNR	use only. See	instructions for mo	I ore information inclu	ding a list of county co	odes.		

State of						SOIL	BORI	NG L	og II	NFOR	MAT	ION					
Depart	tment	of Nat	ural Resour	rces Ro	ute To:			Maat			F	orm 440	0-122				7-91
					Solid Waste				e Ind Tai	nks							
					Wastewater			ter Res	ource	5							
					Emergency Re	esponse	D Oth	er						F	Page	of	1
Facility		iect N	ame				Lic	ense/P	ormit/	Monitori	ing Numb	or		Boring	lumber		
raciity	y/ FI0		DB O	aks Facility, Fo	rt Atkinson,	Wisconsin							- ľ	Boning i	Number	MW	1-2
Boring	Drille	d By (Firm name	and name of crew	chief)		Date	Drilling	Starte	ed	Date	Drilling	Comple	eted	Dri	lling Me	thod
			Kevin	McCumber				<u>12</u> /	9	04	-	12 /	9	04		4 1/4	" ID HSA
			Badg	er State Drilling			MN		DD	YY		/ M	DD	ΥY	-	Spli	t Spoon
DNR F	⁻ acility	/Well I	No. VV	P P 4 8 7	Common We	2 Name	Final	Static	Water	Level	Surfa	ice Eleva	ation		Bor	enole L	Diameter
Boring		tion			IVIV -	<u> </u>			Feet	ISL	1.000	Crid Lo	_ Feet	MSL (If Appli		0.0	
State F	Plane	-		N	E S	/C/N	1 4	at —		_	LUCA	I GIIU LU) N	cable)		ΟE
	1/4 c	of	1/4 of S	ection	Г N, F	R E	Lor	ng			-	Fe	et C	s		Fe	eet 🗆 W
County	Y					DNR Count	y Code		Civil T	own / 0	City / or V	illage					
			Jefferso	n		2	8			C	ity of Fo	ort Atki	nson				
Sample	e	~							T			1	Soil P	ropertie	s		so .
	(z	s (N	te						DC.	am		c	1	T	1	1	nent
ē	ered	ount	Ъ.	Soil/Ro	ck Descri	ption			ic Lo	Diagr	Δ	ard	e t				om
Ium 1	Cove	N N	t i	And Geo	ologic Orig	gin For		scs	raph	/ell [D/FI	and	oisti	mit	astic	200	
2	Re	Blo	Del	Eac	nit		S	U	5	Ē	Ωď	ΣŬ	ככ		٩	Ж	
			E,	Dlind drillod	to dE fact D	00 001.00						1.1					
			E 1	MW/-2 For	to 15 feet B	GS. Set we	EII										
			- 3	borina loa fo	r MW-2A.	10113, 300											
			E														
			F														
			F 4														
			=														
			- 5														
			=														
	2		6									1					
			=														
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			10														
			=														
			- 11														
			=												1		
			12														
			=														
			13														
			=									1					
			- 14														
			=														
			I <u>-</u> 15														
I hereb	by cert	tify tha	t the inform	nation on this form is	s true and corre	ect to the best of	of my kn	nowledg	ge.								
Signat	ture						Firm	1	New	Fields	, Madis	on, W	1				

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

State of Wisconsin Department of Natural Resources	Route to: S Env. Respor	olid Waste 🗆 Haz. se & Repair 🗆 Und	. Waste D Was	stewater 🗆	0		MONI Form 4	FORING WEL 400-113A	L CONSTRUC Rev.	TION 4-90
Facility/Project Name					_					
DB Oaks Facility Fort Atkinson, Wisconsin		Local Grid Location ft. C	1 of Well] N] S.	ft. 0	E. W.	Well Na	me	MW-2		
Facility License, Permit or Monitoring N	Number	Grid Origin Locat	ion Long			Wis. U P	Inique Well Nu P 4 8	umber /	DNR Well Nu	mber
Type of Well Water Table Observation Piezometer	n Well □ 11 ■ 12	St. Plane	ft. N,	····	ft. E.	Date We	ell Installed	$\frac{1}{m}\frac{2}{m}\frac{2}{d}$	$\frac{9}{d} \frac{9}{v} \frac{0}{v} \frac{4}{v}$	
Distance Well Is From Waste/Source Bo	oundary	Section Location of	Waste/Source	NR		Well Ins	talled By: (Per	son's Name an	d Firm)	
Is Well A Point of Enforcement Std. Ap	plication?	Location of Well R u	elative to Waste s	/Source	radient		Badger S	tate Drilling	· · · · · ·	
A. Protective pipe, top elevation	ft	. MSL			I. Cap and	lock?			Yes 🗆 N	lo
B. Well casing, top elevation	. ft	MSL			2. Protectiv	e cover p	ipe:		0.0.	
C. Land surface elevation	·^	MSI		00	a. Inside	e diametei			$-\frac{9}{1}\cdot\frac{0}{0}$	in. A
	· "	MBL			c. Mater	rial:			Steel	
D. Surface seal, bottom	_ft MSL or			\mathcal{T}			Flush mour	1t	Other 🛛 🗍	<u>888</u>
12. USCS classification of soil near s	creen:			1	d. Addit	tional prot	tection?		Li Yes 🔳 I	No
					Surface o	seal.	· <u> </u>		Bentonite 1	3 0
Bedrock			18 8	∖ ´	. Surface :	scar.			Concrete (01
									Other 🛛 🚺	000
13. Sieve analysis attached?	es 🔳 I	ło		` 4	4. Material	l between	well casing an	d protective pip	De:	
14. Drilling method used:	Rotary D	0						Annular	Space Seal	
Hollow St	em Auger 🔳	1				Ohio	o #5 sand		Other	
·	Other	<u>××××1</u>								
15. Drilling fluid used: Water 🖸 0	2 Air 🗆				— 5 Ann	ular snace	seal.	a Granular	Bentonite 🗍 🤅	3 3
Drilling Mud 🛛 0	3 None	99			b	Lbs/gal	mud weight	Bentonite-	sand slurry 2	3 5
	,				c	Lbs/gal	mud weight	Bento	onite slurry 🛛 🗄	31
16. Drilling additives used?	es U	NO			d	_% Bento	nite	. Bentonite-ce	ment grout	50
Describe: Water					f. How	r installed:		a for any of the	Tremie 🗆 0) 1
								Trem	nie pumped 🛛 🛛	0 2
17. Source of water (attached analysi	s):								Gravity 🔳 🕻	8 (
Water truck	k				6. Bentoni	te seal:		a. Bentoni	ite granules 🛛 🔅	33
					b. 🛛	1/4 in.	■ 3/8 in. 🛛 1	/2 in. Bento	onite chips 🔳	32
E Bantonita goal tan	A MSL or	1 0 0			c		100 lbs	S	Other 🛛 🖞	XXXX
E. Bentomic seat, top	_ 11 M3L 01	<u> </u>		11	7. Fine san	nd materia	l: Manufacture	er, product nam	e & mesh size	
F. Fine sand, top	ft MSL or	·ft		/	a b. Volu	me added	l	1b		
G. Filter pack, top	_ft MSL or	$\frac{4}{5} \cdot \frac{5}{6}$ ft			 Filter pa a. 	ack mater	ial: Manufactu Ohio #5 sand	rer, product na l	me & mesh size	
H. Screen joint, top	_ ft MSL or	5.5 ft			b. Volu	ime addec	1300	lb		
I. Well bottom	ft MSL or	<u>15.5</u> ft			9. Well cas	sing:	Flush (Flush (hreaded PVC s hreaded PVC s	schedule 40 ■ 2 schedule 80 □ 2	23 24
J. Filter pack, bottom	_ ft MSL or	$6 \cdot 0 \text{ ft}$			10 Screen	material	Sch. 4	40 PVC		
K. Borehole, bottom	_ft MSL or _	<u>6</u> . <u>0</u> ft		1	a. Scre	en type:		Con	Factory cut	1 1 0 1
L. Borehole, diameter $\frac{8}{8}$.	<u>3</u> in.				b. Mar	nufacture	Time	:0	Other	2008
M. O.D. well casing $2 \cdot 3$	<u>7</u> in.				c. Slot d. Slot	size	n:		0. 0 1 5	0_in. 0_ft.
N. I.D. well casing $2 \cdot \frac{0}{2}$	<u>6</u> in.				11. Backf	ill materia	al (below filler	pack):	None 1	 1 4 [XXX]
										لي الم

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

NewFields, Madison, Wisconsin

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State of Wisconsin Department of Natural Resources	Route to: Env. Respo	Solid Waste	Haz. Waste 🔲 Wast Underground Tanks I	tewater 🛛 🗌 🗌 🗌		MONITORING WI Form 4400-113B	ELL CONSTRUCTION Rev. 4-90
Facility/Project Name	Aleinana WI	County Name	Laffaman	W	ell Name	MW-2	
Facility License. Permit or Monitoring	Number	County Code	Wis. Unique Wel	I Number	1	DNR Well Number	
		2 8	<u>P</u> P	4 8 7			
1. Can this well be purged dry?	I	🗆 Yes 🔳 No			Be	fore Development	After Development
			11. Depth to W	ater (from top of well ca	asing) a	<u>1</u> 0. <u>5</u> 4ft.	ft.
2. Well development method		-					
surged with bailer and bailed surged with bailer and pumped		□ 4 1 ■ 6 1	Date		b	$\frac{12}{10} \frac{12}{10} \frac{10}{10} \frac{04}{10}$	$\frac{1}{m}\frac{2}{d}\frac{1}{d}\frac{0}{d}\frac{0}{v}\frac{4}{v}$
surged with block and bailed							
surged with block, bailed and pumped	ımped	\Box_{70}	T			■ a.m.	■ a.m.
compressed air			líme		c. <u> (</u>	<u> </u>	$\underline{-1 1} : \underline{0 0} \square p.m.$
pumped only		D 51					
pumped slowly Other		ш 5 0 п 🖾	12. Sediment in	n well bottom		inches	inches
0 mor						 MONOD	menes
a m ² , 1 , 1 , 11		120					
3. Time spent developing well			13. Water clari	ty	Clear		Clear 20
	·>	1520			Turbi	id ■15	Turbid 2 5
4. Depth of well (from top of well cas	ing)	$-\underline{1}$ \underline{J} $\underline{2}$ \underline{n} .				Brown-orange	(Describe) Light orange
C. T. (1). 11		2 0 6 -]	High turbidity	Low turbidity
5. Inside diameter of well		$\underline{}$ $\phantom{$					
 Volume of waters in filter pack and casing 	well	1 . 1 gal.					
U			Fill in if drilling	g fluids were used and w	ell is at solid v	waste facility.	
7. Volume of water removed from we	11	$\underline{50}$. $\underline{0}$ gal.					
			14. Total suspe	nded solids		mg/l	mg/l
8. Volume of water added (if any)		gal.					
9. Source of water added		. <u></u>	15 COD			mg/l	mg/l
			15. COD			·img/i	
10. Analysis performed on water add	d?	🛛 Yes 🔳 No	1				
(If yes, attach results)							
16. Additional comments on develop	ment:						J
Surged, then baile	d 20 gallons						
Pumped 30 gallor	IS						
Total removed = :	50 gallons						
Well developed by: Person's Name a	nd Firm		I hereby certif of my knowled	y that the above info	ormation is	true and correc	t to the best
Name: Derek Zoellne	r		Signature	- <u>×</u>			
		 •	Signature:	D D 7		<u> </u>	
	- dl		Print Initials:				
Firm: NewFields, M	adison, WI	<u> </u>	Firm:	NewFields, Madison	n, Wisconsin	1	
			}				
NOTE: Shaded areas are for DNR	use only. See	instructions for mo	ore information inclu	ding a list of county code	es.		

State	of Wis	consin	rel Basau								SOIL	BORI	NG L	OG II	NFOR	MAT	ION	
Depai	unent	or Matt	Irai Resou	Rou	ute To:	1	O Haz	Waste			F	Form 440	0-122				7-	·91
					Solid Waste			lergrour	nd Tan	nks								
					Wastewater	1	O Wat	ter Reso	ources									
				0	Emergency Re	esponse	Oth	er						P	age _1	of	3	
Facilit	ty / Pro	oject Na	DB O	aks Facility, Fo	rt Atkinson,	Wisconsin	Lice	ense/Pe	rmit/N	lonitori	ing Num	ber	_ [Boring N	lumber	MW	/-2A	
Boring	g Drille	ed By (F	Firm name	and name of crew	chief)		Date	Drilling	Starte	d	Dat	e Drilling	Comple	eted	Dri	lling Me	ethod	
			Kevir	McCumber				12 /	9/-	04		12 /	9	04		4 1/4	" ID HS/	4
DUD	F 114		Badg	er State Drilling	Common We	Nama	M M Final	D Static V	D	YY	Surf		DD	ΥΥ	Ror		nua rota	ry
DNR	Facility	/ weil N	40. VV	PP488	MW-	2A		F	eet M	ISL			Feet	MSL	Вог	8.3	inches	
Boring State	g Loca Plane	tion –		N	E S	/C/N	^{La}	at —	_	—	Loca	al Grid Lo	ocation ((If Applie N	cable)		0	E
-	_ 1/4 c	of	_ 1/4 of S	Section 1	ГN, R	RE/W	I Lon	ig —	-			Fe	eet 🗆) S		Fe	eet 🛛	W
Count	y					DNR County	y Code		Civil To	own / C	City / or \	/illage						
			Jefferso	on			8			C	ity of F	ort Atk	inson					
Samp	le	Î											Soil P	ropertie	s		Its	
	(N) F	I) str	eet	Soil/Do	ck Deceri	ntion			Б°	Jram		Б					Jmer	
lber	/erec	Cour	'n		logic Oric	nin For		ß	hicL	Diaç	Q.	dard	ture	Ð	<u>io</u>		Con	
Nun	ecov	low	epth	Eac	h Maior U	nit		SC	Grap	Well		Stan	Mois	init	Jast	20	QD	
	2 6	8	ă							-	-					<u> </u>	<u>ш</u>	
			F	Surface = asph	halt parking lo	ot				-								
			F 1															
- 1			F	CLAY silty r	moist firm to	o stiff high												
			- 2	plasticity, ligh	nt yellow bro	own to brow	n	CL										
		4.6										10						
1	24	6,9									0	12						
			E															
==}			- 4															
																	-	
- 1		6.6										16						
2	24	10,12	2 5															
			-														1	
			E °	CLAY, with fin	ne sand and	fine subrou	nded	90										
				gravel, wet, fir	m, medium	plasticity, lig	ght	130					1	1				
- 1		37	Γ'	brown								10						
3	24	7,12										10	1					
-			- 8															
			E o										1					
			- °	-sandy, wet, fi	irm, medium	n plasticity, l	ight											
		5.7		brown								1						
4	4 22 10,11 10										0	17	1					
									$\langle \rangle$									
			F 11	-stiff									1					
_			F															
			- 12															
5	12	10,11		SAND, clayey,	trace fine su	brounded gra	vel,	00				34	1					
		23,31	13	wet, medium d	ense, non-pla	astic, dark ora	ange-	SC					1					
			F	SAND, trace of	clay, see ne:	xt page		SP										
Ihere	by cer	tify that	the inform	nation on this form is	s true and corre	act to the best o	of my kn	owledge	<u></u>	1							-1	
Signa	ature	ing that					Firm				ielde M	Aadieo	n Wie	consi	n			
							1			ACAAL		100100	.,	001101				

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A 7-91

Borir	ng Num	iber	MW-	2A	. •		1221	•			Р	age 2	of	3	
Sam	ole _	Î								Soil Pr	opertie	s		ts	
Number	Length Recovered (N	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	uscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD/Comme	
6	14	42,31 23,27	- 15 - 16	SAND, trace clay, with fine subrounded gravel, wet, very dense, orange-brown	SP		-		54						
7	10	22,24 30,21	17	SILT, trace very fine sand, wet, hard, non- plastic, gray	ML				39						
8	22	16,17 15,20	- 20 - 21						32						
			- 22 - 22 - 23 - 23	CLAY, silty, trace very fine sand, wet,											
9	22	9,18 23,25	- 25	hard, low plasticity, gray SAND, fine grained, wet, dense, gray (6") CLAY, silty, trace very fine sand, wet,	CL SP CL				41						
			27 27 28	naru, iow plasticity, gray											
10	16	15,20 23,25	- - 29 - 30	SAND, trace clay, fine grained, poorly graded, wet, medium dense, brown to brownish gray	SP				43						
11	15	15,20 26,31	34	SAND, fine to medium grained, trace fine subrounded gravel, poorly graded, wet, dense, gray	SP				46						
.]		30												

Borir	ng Num	ber	MW-2	<u>2A</u>							Р	age 3	b of	3
Sam	ole	2								Soil Pr	opertie	s		nts
Number	Length Recovered (N	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	uscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD/Comme
12	10	17,25 32,36	$\begin{array}{c} 37\\ 1\\ 38\\ 1\\ 39\\ 40\\ 1\\ 1\\ 41\\ 42\\ 1\\ 43\\ 1\\ 44\\ 45\\ 1\\ 44\\ 45\\ 1\\ 46\\ 1\\ 1\\ 46\\ 1\\ 1\\ 48\\ 1\\ 1\\ 50\\ 1\\ 1\\ 55\\ 1\\ 55\\ 1\\ 55\\ 1\\ 55\\ 1\\ 55\\ 1\\ 1\\ 55\\ 56\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	SAND, fine to medium grained, trace fine subrounded gravel, poorly graded, wet, dense, gray EOB at 42 feet BGS, set well MW-2A at 40 feet.	SP				57					
			58											

State of WisconsinRoute to:Department of Natural ResourcesEnv. Response	Solid Waste 🗆 Haz. Waste 🗆 W nse & Repair 🗖 Underground Tank	astewater 🛛 s 🗆 Other 🗖	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 4-90
Facility/Project Name DB Oaks Facility Fort Atkinson, Wisconsin	Local Grid Location of Well ft. □ N □ S	ft. □ E.	Well Name MW-2A
Facility License, Permit or Monitoring Number	Grid Origin Location		Wis. Unique Well Number P P 4 8 8 DNR Well Number
Type of Well Water Table Observation Well 1 Piezometer 1	St. Plane ft. N,	ft. E.	Date Well Installed $\frac{1}{m} \frac{2}{m} \frac{9}{d} \frac{9}{d} \frac{9}{d} \frac{4}{v}$
Distance Well Is From Waste/Source Boundary	Section Location of Waste/Source 1/4 of 1/4 of Sec. T.		Well Installed By: (Person's Name and Firm)
Is Well A Point of Enforcement Std. Application?	Location of Well Relative to Wast u Upgradient d Downgradient	e/Source Sidegradient Not Known	Badger State Drilling
A. Protective pipe, top elevation	a. MSL	1. Cap and	i lock? I Yes I No
B. Well casing, top elevation	t. MSL	2. Protecti a. Insid	e diameter: $9 \cdot \frac{9}{2}$ in.
C. Land surface elevation	ft. MSL	b. Leng c. Mate	th: $\underline{1} \cdot \underline{0}$ ft. trial: Steel
D. Surface seal, bottom ft MSL or	<u>1.0</u> ft		Flush mount Other C
12. USCS classification of soil near screen: GP GM GC GC GW SW SW SW SM SM SC ML MH CL GC Bedrock G		If ye 3. Surface	s, describe: seal: Bentonite 3 0 Concrete 0 1
13 Sieve analysis attached? Ves	No		
14. Drilling method used: Rotary Hollow Stem Auger Other	5 0 4 1	4. Matena	In between well casing and protective pipe: Bentonite□ 3 0 Bentonite□ 3 0 Annular Space Seal□ Ohio #5 sand Other ■ Image: Space Seal□
 15. Drilling fluid used: Water □ 0 2 Air □ Drilling Mud □ 0 3 None ■ 16. Drilling additives used? ■ Yes □ Describe: Water 	0 1 9 9 No	5. Anr b c d e f. How	nular space seal: a. Granular Bentonite [] 3 3 _Lbs/gal mud weight Bentonite-sand slurry [] 3 5 _Lbs/gal mud weight Bentonite-sand slurry [] 3 1 _% Bentonite Bentonite-cement grout [] 5 0
17. Source of water (attached analysis):			Gravity ■ 0 8
		6. Bentoni b.	ite seal: 1/4 in. ■ 3/8 in. □ 1/2 in. Bentonite chips ■ 3 2 400 lbs. Other □ 1000
E. Bentonite seal, top ft MSL or	$\underline{1} \cdot \underline{0} ft$	7. Fine sat	nd material: Manufacturer, product name & mesh size
F. Fine sand, top ft MSL or	$\frac{32}{0}$ ft	a b. Volu	Badger Mining #40/60 silica
G. Filter pack, top ft MSL or	$\frac{3}{2} \cdot \frac{5}{5} \text{ft}$	8. Filter p	ack material: Manufacturer, product name & mesh size Ohio #5 sand
H. Screen joint, top ft MSL or	$\frac{3}{5} \cdot \frac{0}{2} ft$	b. Vol	ume added 150 lb
I. Well bottom ft MSL or	$\frac{40}{-}.\frac{0}{-}$ ft	9. Well ca	Ising: Flush threaded PVC schedule 40
J. Filter pack, bottom ft MSL or	$\frac{40}{2} \cdot \frac{0}{2} ft$		material: Sch. 40 PVC
K. Borehole, bottom ft MSL or	$\frac{42}{2} \cdot \frac{0}{2} \text{ ft}$	a. Scr	een type: Factory cut I 1 Continuous slot 0 1
L. Borehole, diameter $\underline{8} \cdot \underline{3}$ in.		b. Ma	Other Dimco
M. O.D. well casing $2 \cdot 37$ in.		c. Slo d. Slo	t size 0.01 ± 0 in. tted length: 0.01 ± 0 f
N. I.D. well casing $2 \cdot 0 \cdot 6$ in.		11. Backd	Sill material (below filler pack): None ■ 1 4 Other □ 2000000000000000000000000000000000000

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

Firm NewFields, Madison, Wisconsin

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

State of Wisconsin Department of Natural Resources	Route to: Env. Resp	Solid Waste	Haz. Waste D Was	stewater O O O ther O		MONITORING WELL CONSTRUCTION Form 4400-113B Rev. 4-90						
Facility/Project Name		County Name			Well Na	ame	me MW-2A					
DB Oaks Facility, Fort At	cinson, WI	County Code	Jefferson	11 N1	 	29233	DNR Well Number					
		<u>2</u> 8	P P	4 8 8	<u></u>			<u> </u>				
							······································					
1. Can this well be purged dry?		🗆 Yes 🔳 No			-	B	efore Development	After Development				
			11. Depth to V	Vater (from top of	well casing)	a	<u>10.71</u> ft.	ft.				
2. Well development method		_										
surged with bailer and bailed			Date			b	$\frac{12}{10} \frac{10}{10} \frac{10}{10} \frac{4}{10}$	$\frac{1}{2}/\frac{1}{4}\frac{0}{0}$				
surged with block and bailed							тт.а.уу	ma.ayy				
surged with block and pumped	mod						a .m.	🗖 a.m.				
compressed air	ipeu		Time			c.	$\underline{0} \underline{9} : \underline{1} \underline{5} \Box p.m.$	$1 1 : 1 5 \square p.m.$				
bailer only												
pumped only												
Other			12. Sediment	in well bottom			. inches	. inches				
2 Time most developing well		120 m:n										
5. This spent developing wen		<u> </u>	13. Water clar	ity		Clea	ar 🗆 1 0	Clear 20				
		2.0.0.		•		Tur	bid 🗖 1 5	Turbid 🗖 2 5				
4. Depth of well (from top of well casin	g)	-39.9 ft.				(De	scribe) Gravish-brown	(Describe)				
							High turbidity	Low turbidity				
5. Inside diameter of well		<u>2</u> . <u>0</u> 6 in.				_						
							, <u></u>					
6 Volume of waters in filter nack and w	ا ام					_						
casing		4 7 gal.	1									
			Fill in if drillin	ng fluids were used	and well is	at solid	waste facility.					
7. Volume of water removed from well		-75.0 gal.										
			14. Total susr	ended solids			. mg/l	mg/				
8. Volume of water added (if any)		gal.	·········			_						
9. Source of water added												
			15. COD			-	mg/l	mg/l				
10. Analysis performed on water added	?	🗆 Yes 🔳 No										
(If yes, attach results)			•									
16 A 11/6	<u>_</u>											
16. Additional comments on developm	ent:											
Surged then bailed	2 gallons											
Pumped 72 gallons	2 ganons											
Bailed 3 gallons												
Total removed = 75	gallons											
·			Thorehoused!	frithat the -h	info	tion :	a tana and	t to the best				
Well developed by: Person's Name and	l Firm		of my knowle	edge.	e morma	mon i	s true and correc	t to the best				
Name: Derek Zoellner			Signatures									
- · · · · · · · · · · · · · · · · · · ·			Signature:	D D 7								
			Print Initials:		_							
Firm: NewFields, Ma	dison, WI		Firm:	NewFields, M	adison, W	iscons	in					
				·····	· · · ·							
		• • • •										
NOTE: Shaded areas are for DNR u	se only. See	e instructions for mo	ore information inclu	uding a list of count	ty codes.							

State	of Wis	consin										SOIL I	BORII	NG L	og IN	IFOF	RMAT	ION
Бера	Route To:							Haz	Wasta			Fo	orm 4400	0-122				7-91
				6	Solid Waste			Unde	ergroun	d Tar	iks							
				C	Wastewater			Wate	er Reso	urces	:							
				C	Emergency F	Response		□ Other Page <u>1</u> of <u>1</u>							1			
Facili	ty / Pro	ject Na	ame DB O	aks Facility, F	ort Atkinson	, Wisconsin		License/Permit/Monitoring Number						- E	Boring Number MW-3			
Borin	g Drille	ed By (I	Firm name	and name of crev	v chief)			Date [Drilling S	Starte	d	Date	Drilling	Comple	eted	Dri	illing Me	thod
			Kevir	McCumber				1	<u>2</u>	<u>)</u>	04	_	12 /	9	04_	ľ	4 1/4	' ID HSA
Badger State Drilling							┥-,	MM	D	D	<u> </u>	N Curfs	<u>4 M</u>	DD	YY		Spli	t Spoon
P.P.4.9.0 MW-3						'		Static V	eet N				_ Feet	MSL	Bo	8.3	_ inches	
Boring Location State Plane E S/C/N					1	La	t —	—	—	Local	I Grid Lo	cation (If Applic	cable)		ΟE		
1/4 of1/4 of Section TN, R E							Long			<u> </u>		Fe	et 🗖	S		Fe	et ⊡ W	
Coun	ty					DNR Cour	ity Co	ode		Civil T	own/(City / or Vi	illage					
			Jefferso	n		2		8			C	ity of Fo	ort Atki	nson				
Samp	le	5									-			Soil P	opertie	s		ş
	2 T	nts (I	eet	Soil/Rock Description						Бо	gram		5					l a
nber	۲. Vere(Cou	i. F	And Ge	eoloaic Ori	ain For			γ	hic	Dia	QL	idard etrati	sture	9	ig ti	ō	Co
Nur	engt	Ň	epth	Ea	ch Major U	Init			nsc	Grap	Vell		Stan	Con	Liqui	Plas	P 20	ő
	<u>۳۳</u>			Surface					_									
			E	Surface = g	ravei parking	j 10t												
			- 2	CLAY, silty,	CLAY, silty, gravelly, fine subrounde									1				
4	24			gravel, moi	moist, firm, medium plasticity				CL			0						
I	24	Į	3	grayish-gre	-green ce fine sand, wet, firm, non-plas							Ť		ļ	1	l		
		,		SILT, trace fit					SM					Ì				
			t ⁴			and/fine							1			1		
			- 5	subrounded	, trace line s gravel, wet.	firm. low		ML				17.6						
2	19			_plasticity, gra	ay							17.0						
			6	SAND. grav	elly, fine to r	nedium ara	inec	з.							1		1	
			È	wet, dense,	poorly grade	ed, gray		,										
			7						SP									
3	8											32.6		}		{		
-			8													1		
	1		E															
			- 9											l		1		
							-			iiiii								
4	14		- 10	OILT 4	von fan	nd wat fi		~~	M			20.4			1			
•	``			Dicit, trace	very fine sa v	na, wet, tim	n, ne	on-	IVIL						1			
			- 11	pidouo, gra	,										1	1		
																1		
	l	{	- 12	ľ				1	NA1			1			1			
5	12											57	1	1				
v			13										ł		1			1
	1		E													1		
		1	14							₽ШU								
	EOB at 14 feet BGS, set well MW-3					3.												
	eby cer	l tify the	<u>' 15</u>	L	is true and con	rect to the hest	t of m	ny koc	l	<u>!</u>	I	1	!	•	1		<u> </u>	_I
Sign	ature	ary ula					<u> </u>	Firm	A R			Madia	00 14/					
							1		r	C WI	ieius	, mauls	ULI, 441	1				

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

State of Wisconsin Department of Natural Resources	Route to: S Env. Respor	olid Waste□ Haz. se & Repair □ Und	Waste Wasterground Tanks	stewater 🛙 🔲 Other			MONIT Form 4	ORING WELL 400-113A	CONSTRUCTION Rev. 4-90
Facility/Project Name DB Oaks Facility Fort Atkinson, Wisconsin		Local Grid Location ft.	of Well N	ft. C) E.) W.	Well Na	me	MW-3	
Facility License, Permit or Monitoring N	Number	Grid Origin Locati	ion Long			Wis. L P	Jnique Well Nu P 4 9 0	mber	DNR Well Number
Type of Well Water Table Observation Piezometer	n Well 🔲 11	St. Plane	ft. N, _		ft. E.	Date We	ell Installed	$\frac{1}{m}\frac{2}{m}\frac{2}{d}$	$\frac{9}{d}$ / $\frac{0}{y}$ $\frac{4}{y}$
Distance Well Is From Waste/Source Bo	undary	Section Location of	Waste/Source	NR		Well Ins	talled By: (Per	son's Name and	Firm)
Is Well A Point of Enforcement Std. Ap	plication?	Location of Well Re u Upgradient d Downgradier	elative to Waste s	/Source Sideg	radient Known	- 	Kevin Mo Badger St	Cumber ate Drilling	
A. Protective pipe, top elevation	ft	MSL			1. Cap and	l lock?			Yes No
B. Well casing, top elevation	ft	MSL			2. Protectiv	ve cover p e diameter	ipe: -		4 0 in
C. Land surface elevation	fi	MSL			b. Leng	th:	•		<u>6</u> . <u>0</u> ft.
D. Surface seal, bottom .	ft MSL or	1.0 ft		A	c. Mate	rial:	Stick up		Steel
12. USCS classification of soil near s	creen:			/	d. Addi	tional pro	tection?		\Box Yes \blacksquare No
					lf yes	s, describe	:		 Remtemite [] 2.0
Bedrock			Ì A A		5. Surface	seat:			Concrete 0 0 1
		_				Nati	ve Soil		Other
13. Sieve analysis attached?	es 🗖 ſ	10		•	4. Materia	l between	well casing and	l protective pipe	: Bentonite∏ 3.0
14. Drilling method used: Hollow St	Rotary 🗆 s em Auger 🔳 4 Other 🗖					Ohio	o #5 sand	Annular S	pace Seal □
15. Drilling fluid used: Water □ 0 Drilling Mud □ 0 16. Drilling additives used? □ Y	2 Air □ 3 None ■) 1) 9			— 5. Ann b c	ular space _ Lbs/gal i _ Lbs/gal i % Bentoi	e seal: mud weight mud weight nite	a. Granular I Bentonite-s: Benton Bentonite-cen	$\begin{array}{c c} \text{Bentonite} \square & 3 & 3 \\ \text{and slurry} \square & 3 & 5 \\ \text{nite slurry} \square & 3 & 1 \\ \text{nent grout} \square & 5 & 0 \\ \end{array}$
Describe:					e f. How	Fi	t ³ volume added	for any of the a	ibove Tremie [] 0 1
17. Source of water (attached analysi	s):							Tremi	e pumped □ 0 2 Gravity ■ 0 8
				/	6. Bentoni b. □	ite seal: 1/4 in.	■ 3/8 in. □ 1	a. Bentonit 2 in. Bentor	e granules 3 3 ite chips 3 2
E. Bentonite seal, top	_ft MSL or	<u>0.5</u> ft		Ι,	c 7. Fine sar	nd materia		r, product name	• & mesh size
F. Fine sand, top	_ ft MSL or _	'_ft	$\backslash $		a b. Volu	ime added	None	1b	
G. Filter pack, top	_ft MSL or	$\frac{2}{2} \cdot \frac{0}{2}$ ft		·/ ,	8. Filter p	ack mater	ial: Manufactu	rer, product nam	ne & mesh size
H. Screen joint, top	_ft MSL or	$\frac{3}{2} \cdot \frac{0}{2} \text{ ft}$			a b. Voli	ume addec	1300	Ib	
I. Well bottom	_ft MSL or _	<u>13.0</u> ft		/	9. Well ca	sing:	Flush t Flush t	hreaded PVC so hreaded PVC so	hedule 40 ■ 2 3 hedule 80 □ 2 4 Other □ □
J. Filter pack, bottom	ft MSL or	$3 \cdot 0 \text{ ft}$					Sch 4	0 PVC	
K. Borehole, bottom	_ft MSL or _	<u>4</u> . <u>0</u> ft			10. Screen a. Scre	een type:		F. Conti	actory cut I 1 nuous slot 0 1
L. Borehole, diameter $-\frac{8}{2}$.	<u>3</u> in.				h Ma	nufactura	· Time	<u> </u>	Other 🛛 🔯
M. O.D. well casing $2 \cdot 3$	<u>7</u> in.		-unit		c. Slot d. Slot	t size	n:	<u> </u>	0.0100 in. 1000 ft
N. I.D. well casing 2.0	<u>6</u> in.				11. Backf	ill materia	al (below filler j	back):	None 1 4
							-		

I hereby certify that the information on this fe	orm is true and	correct to the best of my knowledge.
Signature	Firm	NewFields, Madison, Wisconsin

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

State of Wiscon Department of N	isin Natural Resources	Route to: S Env. Respon	Solid Waste D H	Haz. Waste 🗆 Wastewater 🗇 Jnderground Tanks 🗖 Other		MONITORING WELL CONSTRUCTION Form 4400-113B Rev. 4-90					
Facility/Project Na	ame	1.1	County Name	laffermen	Well Nat	ne MW-3					
Facility License, 1	Permit or Monitoring N	Kinson, wi Number	County Code	Wis. Unique Well Number	I	DNR Well Number					
			2 8	<u>P P 4 9</u>	0	<u> </u>					
1. Can this well b	e purged dry?	C	Yes No		-	Before Development	After Development				
				11. Depth to Water (from	top of well casing)	a. <u>6</u> . <u>9</u> 4 ft.	ft.				
2. Well developm	nent method	_	_								
surged with surged with	n bailer and bailed		□ 4 1 ■ 6 1	Date		b. $\frac{12}{m} \frac{10}{4} \frac{10}{4} \frac{10}{4} \frac{4}{4}$	$\frac{1}{2}/\frac{1}{4}\frac{0}{0}$				
surged with	block and bailed	C	⊐ 4 2			m m d d d d y y	mmuuyy				
surged with	h block and pumped	nned C	コ 6 2 コ 7 0			🔳 a.m.	a .m.				
compressed	l air	C		Time		c. $\underline{0} \underline{9} : \underline{0} \underline{0} \square p.m.$	$1 1 : 0 0 \square p.m.$				
bailer only	lv.		$\Box 1 0$								
pumped slo	owly		$\Box 50$								
Other		C		12. Sediment in well botto	om		inches				
		•									
3. Time spent dev	veloping well	-	<u>120</u> min.								
				13. Water clarity		Clear 10 Turbid 15	Clear 20 Turbid 25				
4. Depth of well ((from top of well casin	g)	<u>15.3</u> ft.		-	(Describe)	(Describe)				
						Grayish-brown High turbidity	Light gray Low turbidity				
5. Inside diamete	r of well	-	<u>2</u> . <u>0</u> 6 in.								
6. Volume of wat	ters in filter pack and v	vell									
casing	•	-	$1 \cdot 3_{gal.}$								
			<pre></pre>	Fill in if drilling fluids we	re used and well is a	t solid waste facility.					
7. Volume of wat	ter removed from well	-	$\underline{}$ $\underline{}$ $\underline{}$ $\underline{}$ $\underline{}$ gal.								
				14. Total suspended solid	ls	mg/l	mg/l				
8. Volume of wat	er added (if any)	-	gal.								
9. Source of wate	er added			15 COD		mg/l	ma/l				
				15. COD							
			<u> </u>								
10. Analysis perf	formed on water added	? [🛛 Yes 🔳 No								
(If yes, attach	results)										
16 Additional of	omments on developm	ent.			. <u></u>						
ro. manuonal o	chances on acverophi	ivan.									
	Surged, then bailed	10 gallons									
	Pumped 50 gallons	-									
	Total removed = 60	gallons									
		1.5.		I hereby certify that the	e above informat	ion is true and correc	t to the best				
wen aeveloped t	by: Person's Name and	a rim		of my knowledge.		ion is the and conco	- 10 me 000t				
Name	Bjorn Halvorse	n		Ciamatumu							
				signature:	7						
				Print Initials: DDD							
Firm:	Badger State D	rilling		Firm: NewFie	elds, Madison, Wis	sconsin					
					, <u> </u>						
		······		I							

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

State of Wisconsin					SOIL BORING LOG INFORMATION													
Depart	iment	of Nati	Iral Resour	rces Ro	ute To:		Пы	az Waci	<u>م</u>		F	orm 440	0-122				7-9	91
				0	Solid Waste		០ ក្ន ០ ប្រ	ndergrou	e nd Ta	nks								
				0	Wastewater			ater Res	ource	s								
					Emergency Re	esponse		her						P	age_1	of	1	
Facility	/ Pro	ject Na	me	· ·			License/Permit/Monitoring Number Boring						Boring N	umber				
			DB O	aks Facility, Fo	rt Atkinson,	Wisconsin	1 <u> </u>							-		MW	/-4	
Boring) Drille	d By (f	im name	and name of crew	chief)		Date Drilling Started Date Drilling C					Comple	eted	Dril	lling Me	thod		
			Kevin	McCumber			$\frac{12}{12} / \frac{10}{12} / \frac{04}{12}$					<u>12</u> /-	<u>10 / 04</u> 4 ¼" ID				" ID HSA	1
(notivized)		in the second	Badg	er State Drilling	Common We	I Mana	MM DD YY				N	<u>A M</u>	DD	<u>Y Y</u>		Split Spoon		
DNRF	-acility	Well	ło: ''	P_P_4_9_2	MW-	A A		ai Stauc	vvater	Level	Suna	ice Eleva	Eest	uci	BOI	8.3	inches	
Boring		tion	<u></u>				<u>ا</u>		reeln	NOL_	1 1002	I Grid I c		If Apolia	<u> </u>	0.0	_ incrites	
State F	Plane			N	E S	/C/N	1	Lat —			Luca			N N	cablej		0	E
	_ 1/4 o	of	1/4 of S	ection	rN, F	۲E	ΙLα	ong				Fe	et 🗖	s		Fe	eet 🗖	w
County	/					DNR County	/ Code	•	Civil 1	Fown / (City / or V	illage						
			Jefferso	n		2	8			С	ity of Fo	ort Atki	nson					
Sample	e					L			T		1		Soil P	opertie	s		s S	
	(Z)	s (N	at a			_			D	E				İ.			Jent	
ъ	red	ount	E E	Soil/Ro	ock Descri	ption			۲ ۲	Diagr	Ω	ard	e te				Ē	
lum l	u Bo	And Geologic Origin For						SS	raph	/ell [D/F	tand	loist	ai drid	mit	20	là	
	8 E	ä	å	Eac	n major O			3	<u> </u>	5	<u> </u>	ν α	20	22		<u>۹</u>	м М	
	Blind drilled to 15 feet BGS. Set y						H						1	1				
	MW-4. For soils descriptions, see						• 61										1	
				boring log fo	r MW-4A.	· · · ·							ļ		ļ			
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Lereby certify that the information on this form is true and correct to the best of m							of my l		 1e,	<u> </u>	1	1	<u> </u>	<u> </u>	<u> </u>		- 	
Signa	ture						Fir	m	New	Fields	s, Madis	son. W						

Signature				

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

State of Wisconsin Department of Natural Resources	Route to: S Env. Respon	olid Waste	Haz. Waste C Underground	Wastewate	r 🛛 ther 🗖			MON Form	TOR 4400-1	NG WELL 13A	CONSTRU Re	CTION v. 4-90
Facility/Project Name		Local Grid Loc	cation of Well				Well Nar					
DB Oaks Facility Fort Atkinson, Wisconsin			ft. □ N □ S.	ft.	O E O W	7.	wennan	n¢	M	W-4		
Facility License, Permit or Monitoring N	Number	Grid Origin I	Location	Long			Wis. U P	nique Well N P 4 9	Number 2	L I	DNR Well N	lumber
Type of Well Water Table Observation Piezometer	n Well 🔳 11	St. Plane	f	Long		ft. E.	Date We	ll Installed	1	$\frac{2}{m} / \frac{1}{d}$	$\frac{0}{1}$ $\frac{0}{1}$ $\frac{4}{1}$	
Distance Well Is From Waste/Source Bo	undary	Section Location	on of Waste/So 1/4 of Sec	ource T N	R	OE OW	Well Inst	alled By: (P	erson's	Name and I	Firm)	<u>.</u>
Is Well A Point of Enforcement Std. An	nlication?	Location of W	ell Relative to	Waste/Source			·	Kevin N	AcCum	ber		
···· · · · · · · · · · · · · · · · · ·	D No	u D Upgradi d D Downg	ent radient	s 🛛 Si n 🗆 N	degrad ot Kno	ient wn	 	Badger	State D	rilling		
A. Protective pipe, top elevation	fi	. MSL			- 1. (Cap and	lock?				∎ Yes 🛛	No
B. Well casing, top elevation	ft	. MSL		-112	<u>~2. 1</u>	Protectiv	e cover pi	pe:			4 () in
C. Land surface elevation	. fi	. MSL	THE REAL		ۍ ا	b. Lengt	h:				-6.0	ft.
D Surface seal bottom	AMSL or	100.		X	/ c	e. Mater	ial:	Stick up			Steel	_
		<u>+·•</u> "		$ \setminus$	J (A Addit	ional prot	ection?			_ Other⊔	No
GP GM GM GC GM GW G	creen:				\backslash	If yes	, describe:		_			110
				K	3. 5	Surface s	seal:			E	Bentonite	30
Bedrock 🗖		_	×				Notio	a Soil		C	Concrete	0 1
13 Sieve analysis attached?	es 🔳	Jo	×		\mathbf{X}_{1}	Matarial	hotwarn	e Son	nd mot		_Other	
			8	×	4.	Material	Detween	wen easnig a	na proc	E E E E E E		30
14. Drilling method used:	Rotary D	0	×	8			01:-	HE could		Annular Sp	bace Seal 🗆	
Hollow Ste	em Auger ■ 4 Other □[X	8			Onio	#5 sanu			Other	(XXX)
			8	×								
15. Drilling fluid used: Water 0	2 Air 🗆		8	8		5. Ann	ular space	seal:	a.	Granular B	entonite 🛛	33
	3 None	99	×	×		b	Lbs/gal r	nud weight.	B	entonite-sa	nd slurry 🗆 ite slurry 🗆	35
16. Drilling additives used?	'es 🔳	No	8	×		d.	% Benton	ite	Ben	tonite-cem	ent grout \Box	50
			× X	8		e	Ft	volume add	led for a	ny of the al	bove	
Describe:			X	8		f. How	installed:			Taamia	Tremie	01
17. Source of water (attached analysis	s):		8	×						1 remie	Gravity	02
			X	- X ·								
	· · ·			X	/ 6.	Bentonii h	te seal:	3/8 in □	a. 11/2 in	Bentonite	granules 🖬	33
L			8		/	c		50 lb	s		_Other	<u> </u>
E. Bentonite seal, top	_ft MSL or	<u>1</u> . <u>0</u> ft <	×		, 7.	Fine san	d material	: Manufactu	irer, pro	duct name	& mesh size	
F. Fine sand, top	ft MSL or	. ft.	\searrow	₿/,		a		None	, F			
				₿/ /		b. Volu	me added			Ib		
G. Filter pack, top	_ft MSL or	$\frac{3}{2} \cdot \frac{0}{2} \text{ ft}$		8/	/ 8.	Filter pa	ick materi	al: Manufact	turer, pr	oduct name	e & mesh si	ze
H. Screen joint, top	_ft MSL or	<u>5</u> . <u>0</u> ft <u></u>			/	a b. Volu	me added	25	0	lb		لينينين
I. Well bottom	_ ft MSL or _	<u>15</u> . <u>0</u> ft			9.	Well cas	sing:	Flust Flust	n thread	ed PVC sch ed PVC sch	nedule 40 🗖 nedule 80 🗖	23 24
J. Filter pack, bottom	_ ft MSL or	<u>5</u> . <u>0</u> ft							40 DV		_Other	
K. Borehole, bottom	_ft MSL or _	<u>5.5</u> ft			- 10.	Screen a. Scre	material:_ en type:		. 40 F V		ctory cut	
L. Borehole, diameter <u>8</u> .	<u>3</u> in.						.				Other 🛛	
M. O.D. well casing 2.3	7_in.			illes in the second sec		c. Slot	size	11ft	ucu		0.0	$\frac{1}{2} \frac{0}{2}$ in.
N ID well casing 2 0	6 in					d. Slot	ted length	:				<u>, v</u> ft.
1, 1, D, Hon casing _2,	- 111.				` 11	. Backfi	Il materia	(below fille	r pack):		None	
·····												

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

Signature

NewFields, Madison, Wisconsin

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.
State of Wisconsin Department of Natural Resources	Route to: Env. Respo	Solid Waste I	Haz. Waste 🛛 Wastewater 🗆 Underground Tanks 🗖 Other 🗖)	MONITORING W Form 4400-113B	ELL CONSTRUCTION Rev. 4-90
Facility/Project Name		County Name	laffarson	Well Na	ame MW-4	
Facility License, Permit or Monitoring N	lumber	County Code	Wis. Unique Well Number		DNR Well Number	
<u> </u>		2 8	P P 4 9 2	<u></u>	<u> </u>	1
						
1. Can this well be purged dry?	I	🗆 Yes 🔳 No		-	Before Development	After Development
•			11. Depth to Water (from to	p of well casing)	a. $_{-}_{-}_{7}$. $\frac{9}{9}$ $\frac{3}{3}$ ft.	ft.
2. Well development method surged with bailer and bailed	I	041	Date		ь 12/10/04	12/10/04
surged with bailer and pumped					mm d d y y	$\overline{\mathbf{m}}$ $\overline{\mathbf{m}}$ $\overline{\mathbf{d}}$ $\overline{\mathbf{d}}$ $\overline{\mathbf{y}}$ $\overline{\mathbf{y}}$
surged with block and pumped	1					
surged with block, bailed and pun compressed air	nped		Time		c. $0 \ 8 : 3 \ 0 \ \square p.m.$	10:30 p.m.
bailer only						
pumped only pumped slowly						
Other			12. Sediment in well bottom	n	inches	inches
3. Time spent developing well		120 _{min.}				
			13. Water clarity		Clear 10	Clear 20
4. Depth of well (from top of well casin	g)	17.1 _{ft} .			(Describe)	(Describe)
-					Brownish-gray	Light gray
5. Inside diameter of well		2.06 in.				
6. Volume of waters in filter pack and w	/ell					
casing		$\underline{} \underline{} \phantom{$				
		F A A	Fill in if drilling fluids were	used and well is	at solid waste facility.	
7. Volume of water removed from well		$\underline{}$ $\underline{}$ $\underline{}$ $\underline{}$ $\underline{}$ gal.				
			14. Total suspended solids		mg/1	mg/l
8. Volume of water added (if any)		gal.				
9. Source of water added			15. COD		. mg/l	. mg/l
10. Analysis performed on water added	?	🛛 Yes 🔳 No				
(If yes, attach results)						
16. Additional comments on developm	ent:	······································				
Surged, then bailed Pumped 40 gallons	10 gallons					
Tetal removed - 50						
Iotai removed = 50	gallons					
Well developed by: Person's Name or		······	I hereby certify that the	above informa	ation is true and correc	t to the best
their developed of 1 erson branne and	• • • • • • •		of my knowledge.			
Name: Kevin McCumb	ber		Signature:			
			Deint Initiata D D	Z		·····
Badger State D	rilling		rint initials:		••	
Firm: Budger blate Di			Firm: NewField	as, Madison, W	isconsin	<u></u>
	····					

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

State of Wisconsin												SOIL	BORI	NG L	og II	IFOF	RMAT	ION
Depai	riment	of Nati	Jrai Resou	Rou	rte To:		0	Haz	Wasta			Fo	orm 440	0-122				7-91
					Solid Waste			Unde	ergroun	d Tar	nks							
					Wastewater			Wate	er Reso	urces	;							
				0	Emergency Re	esponse		Othe	r						P	age	1of	3
Facili	ty / Pro	ject Na	DB O	aks Facility, For	rt Atkinson,	Wisconsin	T	Lice	nse/Per	mit/N	lonitori	ng Numb	er	E	Boring N	lumber	MW	/-4A
Borin	g Drille	ed By (F	Firm name	and name of crew of	chief)		Date Drilling Started Date Drilling Com					Comple	pleted Drilling Method					
			Kevir	McCumber			$\frac{12}{12} \frac{8}{12} \frac{04}{12}$					8		" ID HSA				
-			Badg	er State Drilling	Common W/c	Nomo	MM DD YY MM DD					DD	YY Split spoon					
DNR		/ weii r 	NO.	P_P_4_9_3	MW-	-4A			F	eet N	ISL			_Feet	MSL		<u>8.3</u>	inches
Boring State	g Loca [:] Plane	tion -		N	E S	/C/N	T	Lat Local Grid Location (If A					If Applic	cable)		0 F		
	_ 1/4 c	of	1/4 of S	ection T	N, F	RE/W	, I	Long Feet					et 🗖	s		Fe	et 🗆 W	
Count	ţy					DNR Coun	ty Co	ode	C	ivil T	own / C	City / or V	illage					
			Jefferso	n		2	{	8			Ci	ity of Fo	ort Atki	nson				
Samp	le	7												Soil P	opertie	s		t se
	(N) F	ts ()	eet	Soil/Do	ck Docori	ntion				ទី	Jram		5					
nber	h /erec	Sour 1	Π	And Geo	logic Oric	nin For			S	hicL	Diaç	<u>Q</u>	dard strati	tent	Ð	<u>9</u>		Lo Q
NUN	engt	Ň	epth	Each	n Maior U	nit			SC	Grap	Well	PID/I	Stan Pene	Mois	in ti	Plast	5	D D
		<u> </u>	<u>_</u>					_						 				<u> </u>
			E I	Surface = nativ	e soli													
1			E	SAND, silty, t	trace fine gr	ravel, fine												
			- 2	grained, sligh	itly moist, d	ense, brow	'n		SM					ļ	1			
4	10	4,7		(FILL)								430	11					
1	16	4,6	3	-moist								-00						
			F	-110/30														
			- 4	· · ·														
		1	F	SILT, clayey,	slightly moi	ist, firm, lov	v											
•		3,6	- 5	plasticity, light	t yellowish l	brown with	rus	st				2900	14					
2	20	8,9		motues					ML-					ĺ		1	1	
			- 6						CL									
			F	-as above, inc	creasing cla	ay content,							l		1	ł		
			- 7	medium plast	icity, moist								1			ł		
2	20	4,6										3180	17		1	ļ		
3	22	11,13	8												1			
			F											1	1	1		
			- 9	CLAY, sandy,	trace fine s	subrounded		.								İ		
			F	gravel, wet, fir	m, medium	plasticity,	ugh	τ	SC	VI					1	-		
-		4,7	- 10	510WH								20.2						
4	16	12,1(SAND, fine to	medium ar	ained, rour	ndeo	d,				20.3		[
			<u> </u>	wet, medium	dense, brov	vn		Ċ							1	1		
		1	F						00				1					1
			_ 12	-as above, sli	gnt odor				52			.	l					1
-		2.5											4.0	1				1
5	12	11,22	2 13									0	16			1		
			F	-Driller reports	s sand heav	ving into au	ger	rs,							1	1		
			14	very poor san	nple recove	ry												
I here	eby cer	tify that	t the inform	nation on this form is	true and corre	ect to the best	of m	ny kno	wledge									
Signa	ature							Firm		1	lewF	ields, N	ladiso	n, Wis	consir	1		

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State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A 7-91

MW-4A Page 2 of 3 Boring Number Sample ROD/Comments Blow Counts (N) Soil Properties Length Recovered (N) Well Diagram Depth in Feet Graphic Log Standard Penetration **Soil/Rock Description** Number PID/FID Moisture Content And Geologic Origin For Plastic Limit uscs Liquid P 200 Each Major Unit -no recovery 26, 15 SP 50+ 6 0 50/0 16 17 11,13 17,22 7 3 30 SAND, as above, very poor recovery 18 19 20 21 22 23 SAND, fine to medium grained, rounded, 24 SP wet, medium dense, grayish-brown 8 10 25 26 27 28 29 30 _ 31 32 33 34 35 36

State of Wisconsin Department of Natural Resources

Borir	ng Num	iber	MW-	4A							Р	age 3	3 of	3	
Sam	ole 🔶	(Z)								Soil Pr	opertie	S		nts	
Number	Length Recovered (N	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	uscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD/Comme	
			37 38 38 39						* # land						
9	12		- - 40	SAND, medium grained, gravelly (fine subrounded gravel), poorly graded, wet, dense, brown	SP										
			41 - 42 - 42	EOB at 40 feet BGS, set well MW-4A.											
			- 43 - 43 - 44												
			- 45 - 46												
												-			
			- - - 49 -												
			50 51 						2			-			
			- 52 - 53												
			- 54 - 55 - 55												
			- - - - - 57												
			- ₅₈												

7-91

State of Wisconsin Department of Natural Resources	Route to: S Env. Respor	olid Waste 🛛 Haz. Waste 🗆 ise & Repair 🗖 Underground Ta	Wastewater 🗆 nks 🔲 Other 🗆	נ	MONI Form 4	TORING WELL CONSTRU 1400-113A Re	CTION v. 4-90
Facility/Project Name DB Oaks Facility Fort Atkinson, Wisconsin		Local Grid Location of Well ft. □ N □ S.	ft. O H	3. V.	ell Name	MW-4A	
Facility License, Permit or Monitoring N	lumber	Grid Origin Location			Wis. Unique Well Ni PP49	imber DNR Well N 3	umber
Type of Well Water Table Observation Piezometer	n Well □ 11 ■ 12	St. Plane ft. N	ng	ft. E. D	ate Well Installed	$\frac{1}{m} \frac{2}{m} \frac{0}{d} \frac{8}{d} \frac{0}{v} \frac{4}{v}$	
Distance Well Is From Waste/Source Bo	undary	Section Location of Waste/Sour 1/4 of 1/4 of Sec.	ce F. N.R.	OE W	ell Installed By: (Pe	rson's Name and Firm)	
Is Well A Point of Enforcement Std. Ap Ves	plication?	Location of Well Relative to W u D Upgradient d D Downgradient	aste/Source s	fient own -	Badger S	cCumber tate Drilling	
A. Protective pipe, top elevation	ft	. MSL		Cap and loc	k?	Yes 🛛	No
B. Well casing, top elevation	ft	MSL	2.	Protective c	over pipe: ameter:	4 0	in
C. Land surface elevation	A	. MSL		b. Length:	motor.	$\underline{\underline{-6}}$	_ft.
D. Surface seal, bottom	ft MSL or	1.0 A	I A I	c. Material:	Stick up	Steel	
12. USCS classification of soil near so	creen:		$ \setminus$	d. Addition	al protection?		No
GP GM GC GW G	SW D SE			lf yes, de	scribe:		
Bedrock			3.	Surface seal	:	Bentonite	30
					Native Soil	Other	<u></u>
13. Sieve analysis attached?	es 🔳 1	ło 🛞	× 4.	Material be	tween well casing an	d protective pipe:	
14. Drilling method used:	Rotary 🗆 5	o 🖇	8			Annular Space Seal	3 0
Hollow Ste	em Auger 🔳 4		8	_ _	Ohio #5 sand	Other	XXX
			8				
15. Drilling fluid used: Water 0	2 Air 🗆	0 1	×	5. Annular	space seal:	a. Granular Bentonite 🗖	3 3
Drilling Mud U 0	3 None	99	X	bLt	s/gal mud weight	Bentonite-sand slurry	35
16. Drilling additives used?	ies 🛛 🕽	No	×	cLa	Bentonite	. Bentonite-cement grout	50
Davisitar Water			×	e	Ft ³ volume adde	d for any of the above	
Describe:		— I 🕅	8	f. How ins	talled:	Tremie D	01
17. Source of water (attached analysis	s):	. 🕅	×			Gravity	08
Water truck	x		8 .6	Bentonite s	eal.	a Bentonite granules 🗖	3 3
				b. 1/4	in. ■ 3/8 in. 🗆	1/2 in. Bentonite chips	3 2
E. Bentonite seal, top	ft MSL or	2.0 ft		c	250 lb	sOther	2000
F. Fine sand, top	ft MSL or	3 2 0 ft		Fine sand m	Badger Mini	er, product name & mesh size ng #40/60 silica	
G. Filter pack, top	ft MSL or	3.3 ft		b. Volume Filter pack	added <u>50</u> material: Manufactu	lb rrer_product name & mesh siz	re .
H. Screen joint, top	ft MSL or	<u>4.0</u> ft		ab. Volume	Ohio #5 sand added150	1 Ib	
I. Well bottom	_ ft MSL or	3 9 0 ft	9.	Well casing	: Flush	threaded PVC schedule 40	23
J. Filter pack, bottom	_ft MSL or _3	<u>9.0</u> ft				Other	
K. Borehole, bottom	_ft MSL or	<u>89.5</u> ft	10	. Screen ma a. Screen	terial: Sch. type:	Factory cut Continuous slot	
L. Borehole, diameter8	<u>3</u> in.			h Manuf	ochiter Tim	Other	
M. O.D. well casing $2 \cdot 3$	<u>7</u> in.		×	c. Slot siz	e length:	00.1	10 in.
N. I.D. well casing $2 \cdot 0$	<u>6</u> in.			u. Slotted	naterial (below filler	pack): None	<u> </u>
·····	·					Other	

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

NewFields, Madison, Wisconsin

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State of Wisconsin Department of Natural Resources	Route to: Env. Resp	Solid Waste II	Haz. Waste 🛛 Waste Underground Tanks 🗖	water Other Cutation			MONITORING WE Form 4400-113B	ELL CONSTRUCTION Rev. 4-90
Facility/Project Name	cincon WI	County Name	lefferson	i	Well Nam	ne	MW-4A	
Facility License, Permit or Monitoring N	Jumber	County Code	Wis Unique Well I P_P_4	Number			DNR Well Number	
1. Can this well be purged dry?		🗆 Yes 🔳 No				B	efore Development	After Development
2 Well development method			11. Depth to Wat	er (from top of well	casing)	a	$\underline{}, \underline{}, \underline$	ft.
surged with bailer and bailed surged with bailer and pumped surged with block and bailed		□ 4 1 ■ 6 1 □ 4 2	Date			b	$\frac{1}{m} \frac{2}{d} \frac{1}{d} \frac{0}{d} \frac{0}{y} \frac{4}{y}$	$\frac{1}{m} \frac{2}{m} \frac{1}{d} \frac{0}{d} \frac{0}{y} \frac{4}{y}$
surged with block, bailed and pum compressed air bailer only	nped	□ 7 0 □ 2 0 □ 1 0	Time			c	$\blacksquare a.m.$ $0 \underline{8}: \underline{4} \underline{0} \Box p.m.$	■ a.m. <u>10:40</u> □ p.m.
pumped only pumped slowly Other			12. Sediment in	well bottom			inches	inches
3. Time spent developing well		<u>120</u> min.	13. Water clarity			Clea		Clear 20
4. Depth of well (from top of well casin	g)	<u>4 1</u> .0_ft.				Turt (Des	id ■15 cribe) Brownish-gray High turbidity	Turbid Image: 2 state (Describe) Clear Very low turbidity
5. Inside diameter of well		<u>2</u> . <u>0</u> 6 in.						
6. Volume of waters in filter pack and w casing	vell	<u> </u>		7 · 1 · · · · · · 1 · · 1				
7. Volume of water removed from well		$\underline{50}, \underline{0}_{gal}.$	Fill in if drilling f	lluids were used and	well is at	solid	waste facility.	
8. Volume of water added (if any)		gal.	14. Total suspend	ded solids			mg/l	mg/l
9. Source of water added			15. COD				mg/l	mg/l
 Analysis performed on water added (If yes, attach results) 	?	🛛 Yes 🔳 No			·			
16. Additional comments on developm	ent:							
Surged, then bailed Pumped 40 gallons	10 gallons							
Total removed = 50	gallons							
Well developed by: Person's Name and	l Firm		I hereby certify of my knowledg	that the above in ge.	ıformati	ion is	true and correct	to the best
Name: Kevin McCumb	er		Signature:					· · · · · · · · · · · · · · · · · · ·
Firm: Badger State Da	filling		Print Initials:	D D Z NewFields, Madis	son, Wisc	consi	1	

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

State	of Wis	consin						SOIL BORING LOG INFORMATION											
Depa	rment	of Natu	Irai Resou	rces	Route T	o:		П нат	Wasta			F	orm 440	0-122					7-91
					🛛 Soli	d Waste			eraroun	d Tar	nks								
					O Was	stewater		U Wat	er Reso	urces									
					O Eme	ergency Re	esponse	Othe	er						Р	age <u>1</u>	of	1	
Facili	ty / Pro	ject Na	me DB C	aks Facility	, Fort A	tkinson,	Wisconsin	Lice	ense/Pe	rmit/N	Ionitori	ing Numb	er	_ [Boring N	lumber	MW	/-5	
Borin	g Drille	d By (F	irm name	e and name of c	rew chief	j)		Date	Drilling !	Starte	ed	Date	e Drilling	Comple	eted	Dril	ling Me	thod	
			Kevi	n McCumbe	r			1	<u>12 _ 8</u>	<u> </u>	04	.	12 /	8	04		4 1⁄4	" ID H	SA
a creation	100000000000000000000000000000000000000		Bado	jer State Dri	lling			MM DD YY MM DI					DD	YY Split S				<u>n</u>	
DNR	Facility	Well N	lo. W	P_P_4_9_1	NO. Co _	mmon We -MW	ell Name 5	Final	Static V	Vater	Level	Surfa	ice Eleva	tion Feet l	Feet MSL 8.3				r .e
Borin	g Local	tion	<u></u>		lingin (<u> </u>			Loca	I Grid Lo	cation (If Applie	plicable)			
State	Piane		·	N		E S/	/C/N								N		-	0	ΞE
	<u>1/4 c</u>	of	1/4 of \$	Section	ï	<u> </u>	E E		<u>9</u> —						S		Fe		<u>w</u>
Coun	y		loffored	n			DINK Count	o	`				mage						
			T	,				<u> </u>	<u> </u>					nson				.	
Samp		2									F		<u> </u>	Soil Pi	roperties	s r——	T	ar the second se	
Ļ	() pe	unts	Feet	Soil	/Rock	Descri	ption			۲ و	agraı		Ę g	0 ~				Ĕ	
mbe	ith over	ů	ri Li	And	Geolog	gic Orig	, gin For		S	phic	II Di	/FID	ndar	istur	ij ti	it stic	8	l	
Ž	Reco	Blow	Dept	E	ach M	lajor Uı	nit		nsi	ъ С	We	Did	Per	Ŝ≩	Ľ Ľ	E Ba	P 2	RO	
			-1	Surface =	native	soil		·		ПШ					1			1	
			F		let firm	with ro	ote non-nla	actic											
			- 2	very dark	_ I , moist, firm, with roots, non-p ry dark brown														
1	10	5,6 8,9	,		c prown							0	14						
		-,-	F	CLAY, tra	ICE TINE	sand, m	oist, iirm, with rust m	ottlas						1	1	1	1		
			F	mediani	Adduoity	, green	marrasem	otaco											
			F 4						<u> </u>										
		~ 4		SAND, so	me clay	/, moist,	medium de	nse,	sc					ļ					
2	12	0,4 7.6	- 3	he grained	i, iow pi	lasticity,	light yellow					0	11						
			F																
			F																
		45		CLAY, trace	e fine sa	nd, wet, s	oft, high plas	sticity,	CL										
3	17	8,17		gray									13	1				İ	
			F °	SAND, me	edium g	rained, s	some fine			₩									
			E.	rounded g	ravei, w	et, ioose	e, brown		GP	⋘									
	1		F	CLAY tra		sand tra	ice fine		1										
		7.6	10	subrounde	ed grave	el, wet, s	oft to firm, I	high				l					1		
4	18	6,8		plasticity,	gray	• •		U				0	13						
			Ε.,											ļ					
			E "	gravel we	yey, tra t. med o	ice line s dense in	abrounded irav						1						
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5	20	4,6	13									0	12						
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			Ε													1			
	ļ	l	E 14						1	l	l	l		ļ	ļ				
			<u>-</u> 15	EOB at 1	4 feet E	3GS, sel	t well MW-5	•											
I here	eby cer	tify that	t the inform	nation on this fo	orm is true	e and corre	ect to the best	of my kn	owledge	».									
Sign	ature							Firm	N	lewF	Fields	, Madis	son, W	l					

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

Facility/Project Name Local Grid Location of Well Well Name MW-5 DB Oaks Facility ft. □ Nft. □ E. Well Name MW-5 Fort Atkinson, Wisconsin □ S. □ W. Wisconsin Wisconsin Facility License, Permit or Monitoring Number Grid Origin Location Wisconsin Wisconsin	
Facility License, Permit or Monitoring Number Grid Origin Location Wis. Unique Well Number DNR We	
	ll Number
Type of Well Water Table Observation Well Int Long. Date Well Installed Piezometer Int Int Int Int Int Int Mathematical St. Plane Int Int Int Int Int Int Mathematical Prevention Int Int Int Int Int Int Int Mathematical Prevention Int Int	
Distance Well Is From Waste/Source Boundary Section Location of Waste/Source DE Well Installed By: (Person's Name and Firm)	
Is Well A Point of Enforcement Std. Application? Location of Well Relative to Waste/Source Kevin McCumber U Duggadient s D Sidegradient Badger State Drilling	
A. Protective pipe, top elevation ft. MSL /1. Cap and lock?	D No
B. Well casing, top elevation ft. MSL 2. Protective cover pipe:	0 in
C. Land surface elevation ft. MSL b. Length:	. <u>0</u> ft.
D. Surface seal, bottom ft MSL or1. 0 ft C. Material: Stick up Othe	r D
12. USCS classification of soil near screen: CD_D_CALD_CC_D_CW_D_SW_D_SD_D If yes, describe:	No
SM C SC ML MH CL CL CH CH SH SP SP SP SP SP SP SP SP SP SP SP SP SP	
Beurock I Concrete Native Soil Other	
13. Sieve analysis attached? ☐ Yes ■ No 4. Material between well casing and protective pipe: Bentonit	e 🛛 3 0
14. Drilling method used: Rotary □ 5 0 Annular Space Sea Hollow Stem Auger ■ 4 1 Ohio #5 sand Other Other □ Other Other 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:	□ 3 3 7 □ 3 5 7 □ 3 1 1 □ 5 0 2 □ 0 1 1 □ 0 2 y ■ 0 8
6. Bentonite seal: a. Bentonite granule: b. □ 1/4 in. ■ 3/8 in. □ 1/2 in. Bentonite chips c 100 lbs Other	s 🖬 3 3 🖿 3 2 T 🔲 🖾 🖾
E. Bentonite seal, topft MSL or1 0_ft7. Fine sand material: Manufacturer, product name & mesh	size
F. Fine sand, top ft MSL or $2 \cdot 0$ ft a. Badger Mining #40/60 silica b. Volume added b. Volume added lb	<u>00000</u>
G. Filter pack, top ft MSL or3. 0 ft 8. Filter pack material: Manufacturer, product name & mest	h size
H. Screen joint, top ft MSL or $4 \cdot 0$ ft t	<u>teres</u>
I. Well bottomft MSL or _1 4 . 0 ft9. Well casing: Flush threaded PVC schedule 40 Flush threaded PVC schedule 80 Flush threaded PVC schedule 80 Other	
J. Filter pack, bottom ft MSL or 14.5 ft to Sch. 40 PVC	
K. Borehole, bottomft MSL or _1 4 . 5 ft a. Screen type: Factory cur Continuous sto	t∎ 1 1 t□ 0 1
L. Borehole, diameter <u>8.3</u> in.	
M. O.D. well casing $2 \cdot 37$ in.	$\frac{0}{1}$ $\frac{1}{0}$ $\frac{0}{0}$ $\frac{1}{0}$ $\frac{1}$
N. I.D. well casing 2.06 in. 11. Backfill material (below filler pack): Non Other Other	<u>• • • •</u> π. e ■ 1 4

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

NewFields, Madison, Wisconsin

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

State of Wisconsin Department of Natural Resources	Route to: Env. Respo	Solid Waste D I	Haz. Waste D Was Underground Tanks	stewater 🗆		MONITORING W Form 4400-113B	ELL CONSTRUCTION Rev. 4-90
Facility/Project Name		County Name	Lafforman		Well Na	me MW-5	
DB Oaks Facility, Fort Atl	unson, WI	County Code	Wis Unique We	l Il Number		DNR Well Number	
	<u> </u>	2 8	<u> </u>	<u>4 9 1</u>			
				······································			
1. Can this well be purged dry?		Yes 🗆 No				Before Development	After Development
			11 Douth to W	later (from ton of wall	- (anina)	<u> </u>	Δ
				vater (nom top or wen	casing	a <u></u>	·
2. Well development method surged with bailer and bailed	1	□ 4 1	Date			ь 12/09/04	1 2/ 1 0/ 0 4
surged with bailer and pumped		61	Date			$\overline{\mathbf{m}}$ $\overline{\mathbf{m}}$ $\overline{\mathbf{d}}$ $\overline{\mathbf{d}}$ $\overline{\mathbf{y}}$ $\overline{\mathbf{y}}$	$\frac{1}{m}\frac{2}{m}\frac{1}{d}\frac{d}{d}\frac{y}{y}$
surged with block and bailed							
surged with block, bailed and pum	iped	$\square 7 0$				□ a.m.	
compressed air		□20	Time			c. $15:30$ p.m.	$\frac{12}{2}: \frac{3}{2} \stackrel{0}{=} p.m.$
bailer only							
pumped only							
Other			12. Sediment i	n well bottom		inches	inches
		150.					
3. Time spent developing well		$\frac{1}{1}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ min.	12 Water clari	i			
			15. water clain	ity		Turbid 1 5	Turbid 2 5
4. Depth of well (from top of well casing	g)	<u>14</u> .6 ft.				(Describe)	(Describe)
						Dark brown	Grayish-brown
5 Inside diameter of well		206 in				Ingli turbidity	turbidity
		<u> </u>					
6. Volume of waters in filter pack and w	ell	1 11					
casing		· gai.	Eill in 16 deillie	o fluida waa waad and		et galid moste facility	
7 Volume of water proved from well		500 mal	Fill in it drivin	ig fluids were used and	wen is a	at sond waste facility.	
7. Volume of water removed from wer		gai.					
			14. Total susp	ended solids		mg/l	mg/l
8. Volume of water added (if any)		<u> </u>	1				
9. Source of water added							
			15. COD			mg/l	mg/l
		_					
10. Analysis performed on water added	?	🗆 Yes 🔳 No	I				
(If yes, attach results)							
16 Additional comments on development							
Surged then bailed	15 gallons						
Pumped 30 gallons,	dry						
Bailed 5 gallons, dr	y T						
Total removed $= 50$	gallons						
	Eanons						
Well developed by: Person's Name and	Firm		I hereby certif	fy that the above in	nforma	tion is true and correct	ct to the best
			of my knowle	dge.			
Name: Bjorn Halvorser	ı		Signatura				
			Signature:	7			
			Print Initials:	Z			
Firm: Badger State Dr	illing		Firm	NewFields, Madi	son, Wi	isconsin	
		····*	I IIII		-		
NOTE: Shaded areas are for DNR u	se only. See	instructions for mo	ore information inclu	iding a list of county co	odes.		

APPENDIX B

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LABORATORY REPORTS GROUNDWATER SAMPLES

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environme 400 North Lake Avenue - Crandon, WI Ph: (715)-478-2777 Fax: (715)-478-306	ntal Services 54520 0	ANALY	TICAL F	REPORT		WI W EI	DNR Laborator DATCP Labora PA Laboratory	y ID No. 721026 atory Certificatio ID No. WI00034	460 on No. 105-330
Client: NewFields Companies LL Attn: Mark S McColloch	C PG					Pr	inted: 12/30/04	Code: S NLS Project:	Page 1 of 2 86494
2110 Luann Lane #101 Madison,WI 53713 3098							Fax: 608 442	NLS Customer 9013 Phone:	r: 93437 608 442 5223
Project: Thomas Ft. Atkinson 045	1-002							-	
MW-1 NLS ID: 358934 Ref. Line 1 COC 73938 MW-1 Matrix: C Collected: 12/16/04 10:00 Received: 12 Parameter	W /17/04	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260		see attached					12/20/04	50040 0200	721020400
Ref. Line 2 COC 73938 MW-2 Matrix: C Collected: 12/16/04 09:00 Received: 12 Parameter	W /17/04	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260		see attached					12/24/04	SW846 8260	721026460
MW-2A NLS ID: 358936 Ref. Line 3 COC 73938 MW-2A Matrix: Collected: 12/16/04 09:15 Received: 12	GW /17/04								
Parameter		Result see attached	Units	Dilution	LOD	LOQ	Analyzed	Method SW846 8260	Lab 721026460
MW-3 NLS ID: 358937 358937 358937 369000000000000000000000000000000000000	W						12/2-4/0-	011040 0200	121020400
Collected: 12/16/04 10:15 Received: 12/ Parameter VOCs (water) by EPA 8260	/1//04	Result see attached	Units	Dilution	LOD	LOQ	Analyzed 12/28/04	Method SW846 8260	Lab 721026460
MW-4 NLS ID: 358938 Ref. Line 5 COC 73938 MW-4 Matrix: G Collected: 12/16/04 11:00 Received: 12/	W /17/04		en en en en en en en en en en en en en e				u na seconda de la com		• **•
VOCs (water) by EPA 8260		see attached	Units	Dilution	LUD	LOQ	12/28/04	SW846 8260	721026460
MW-4A NLS ID: 358939 J Ref. Line 6 COC 73938 MW-4A Matrix: Collected: 12/16/04 10:45 Received: 12/	GW /17/04								<u></u>
Parameter VOCs (water) by EPA 8260		see attached	Units	Dilution	LOD	LOQ	Analyzed 12/28/04	SW846 8260	<u>Lab</u> 721026460
MW-5 NLS ID: 358940 Ref. Line 7 COC 73938 MW-5 Matrix: G Collected: 12/16/04 08:00 Received: 12/	W /17/04			Dilution	100	1.00			1
VOCs (water) by EPA 8260	·····	see attached	Units	Dilution	LOD	LUQ	12/28/04	SW846 8260	721026460
Dup-1 NLS ID: 358941 Ref. Line 8 COC 73938 Dup-1 Matrix: C Collected: 12/16/04 11:30 Received: 12/	W /17/04								
VOCs (water) by EPA 8260		see attached	Units	Dilution	LOD	LOQ	Analyzed 12/29/04	SW846 8260	721026460
Trip Blank NLS ID: 358942 Ref. Line 9 COC 73938 Trip Blank Matri Collected: 12/16/04 00:00 Received: 12/ Parameter	х: ТВ /17/04	Result	Units	Dilution	LOD	LOQ	Analvzec	Method	Lab
VOCs (water) by EPA 8260		see attached					12/24/04	SW846 8260	721026460

NORTHE Analytica 400 North Ph: (715)-	RN LAKE SER I Laboratory and I Lake Avenue - C 478-2777 Fax: (7	VICE, INC. Environmental Services randon, WI 54520 15)-478-3060	ANALYTICA	L REPORT	WDNR Labo WDATCP La EPA Labora Brinted: 42/	ratory ID No. 721 aboratory Certific atory ID No. WI000	026460 ation No. 105-330 034 Page 2 of 2
Client:	NewFields Cor Attn: Mark S	npanies LLC McColloch PG			Printea: 12/	NLS Projec	raye 2 01 2
	2110 Luann La	ine #101			F 60/	NLS Custo	mer: 93437
	Madison,WI 5	3713 3098			Fax: 608	3 442 9013 Phon	ie: 608 442 5223
Values in b	Thomas Ft. Atl rackets represent r	results greater than or equal to the	LOD but less than the LOQ and are	within a region of "Less-Certair	n Quantitation". Results grea	ter than or equal to t	he LOQ are considere
to be in the LOD = Limi DWB = Dry MCL = Max	region of "Certain it of Detection Weight Basis kimum Contaminan	Quantitation". LOD and/or LOQ ta LOQ = Limit of Quantitation NA = Not Applicable It Levels for Drinking Water Sample	gged with an asterisk(*) are conside ND = Not Detected %DWB = (mg/kg DWB) / 10000 es	ered Reporting Limits. All LOD/L 1000 ug/L = 1 mg/L Ré	OQs adjusted to reflect diluti	on. might	Authorized by: R. T. Krueger President
						• • • • • •	
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ANALYTICAL I Customer: NewFields Companies LLC	RESULTS: VOC's by EPA 820 NLS Project: 86494	60 - Water - (Saturn 2)		Page 1 of 18
Project Description: Thomas Ft. Atkinson					
Project Title: 0451-002	Template: SAT2W Printe	d: 12/30/2004 09:14			
Sample: 358934 MW-1	Collected: 12/16/04	Analyzed: 12/28/04 -			
ANALYTE NAME	RESULT	UNITS DIL	LOD	LOQ	
Benzene	ND	ug/L 1	0.12	0.38	
Bromobenzene	<u>ND</u>	ug/L1	0.13	0.42	
Bromochloromethane		ug/L 1	0.11	0.37	na na ana amin'ny tanàna mandritry amin'ny tanàna mandritry tanàna mandritry tanàna mandritry tanàna mandritry
Bromodichloromethane	NU	<u>ug/L 1</u>	0.19	0.70	anna an an an an an an an an an an an an
Bromotorm			0.10	0.34	Navie generalize entre un fait entre fait entre entre entre entre entre entre entre entre entre entre entre entre
Bromometnane			0.32	1.0	
n-Butyibenzene			0.19	0.70	
tert Dutybenzene			0.10	0.52	
Carbon Totraphlarida			0.14	0.47	1999 Al
			0.15	0.51	
Chloroothano			0.19	0.00	na an an an an an an an an an an an an a
Chloroform			0.00	0.41	
Chloromethane	ND		0.12	0.41	new adapter and an entering and the second
2-Chlorotoluene			0.12	0.41	aper again again again again an an an an an an an an an an an an an
4-Chlorotoluene	ND		0.13	0.42	Alashi - Anashi - An
Dibromochloromethane	ND		0.16	0.44	NAMES AND ADDRESS AND ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS A
1 2-Dibromo-3-Chloronronane	ND	<u>ug/L</u> 1	0.10	0.00	
1.2-Dibromoethane	ND	ug/l 1	0.16	0.00	rink termen ermennen (M. 1999) ange at spielek atsistent at her provident for several se
Dibromomethane	ND	ug/i 1	0.16	0.57	and a stand of the stand of t
1.2-Dichlorobenzene	ND	ug/L 1	0.13	0.46	
1.3-Dichlorobenzene	ND	ug/L 1	0.10	0.34	
1.4-Dichlorobenzene	ND	ug/L 1	0.19	0.64	
Dichlorodifluoromethane	ND	ug/L 1	0.15	0.51	a manufalline shelling and a dan and a second processing and a second second second second second second second
1,1-Dichloroethane	ND	ug/L 1	0.13	0.44	ANY INTERNITY OF MELANDARY AND AND AND AND AND AND AND AND AND AND
1,2-Dichloroethane	ND	ug/L 1	0.13	0.44	
1,1-Dichloroethene	ND	ug/L 1	0.24	0.88	han dara berangkan karapang dara pengan dara pengan dara pengan dara pengan dara pengan dara pengan dara pengan
cis-1,2-Dichloroethene	[0.14]	ug/L 1	0.13	0.44	n varianten som ander ander ander en state ander ander ander ander ander ander ander ander ander ander ander an
trans-1,2-Dichloroethene	ND	ug/L 1	0.11	0.36	
1,2-Dichloropropane	ND	ug/L, 1	0.13	0.42	ale A Sun de La Ban de La Ban de La Ban de La Ban de La Ban de La Ban de La Ban de La Ban de La Ban de La Ban d
1,3-Dichloropropane	ND	ug/L 1	0.15	0.49	
2,2-Dichloropropane	ND	սց/Լ 1	0.16	0.55	
1,1-Dichloropropene	ND	ug/L 1	0.17	0.57	an san Na San Ang San Ang San Ang San Ang San Ang San Ang San Ang San Ang San Ang San Ang San Ang San Ang San A
cis-1,3-Dichloropropene	ND	ug/L 1	0.21	0.78	
trans-1,3-Dichloropropene	ND	ug/L 1	0.15	0.49	af sen blockson and a sen and a sen and a sen and a sen and a sen and a sense of the sense of t
Ethylbenzene	ND	ug/L 1	0.14	0.47	
Hexachlorobutadiene	ND	ug/L 1	0.23	0.88	
Isopropylbenzene	ND	ug/L 1	0.12	0.41	
p-Isopropyltoluene	ND	ug/L 1	0.12	0.39	
Methylene chloride	ND	<u>ug/L 1</u>	0.10	0.34	
Naphthalene	ND	<u>ug/L 1</u>	0.16	0.60	
n-Propylbenzene	ND	ug/L1	0.17	0.56	
ortho-Xylene	ND	ug/L 1	0.13	0.44	
Styrene	ND	Ug/L1	0.14	0.47	
1,1,1,2-Tetrachloroethane	ND	ug/L1	0.16	0.55	
1,1,2,2-i etrachloroethane	ND .	<u>ug/L 1</u>	0.20	0.67	
	NU	<u>ug/L 1</u>	0.13	0.45	
Ioluene	ND	ug/L1	0.20	0.77	

ANALYT Customer: NewFields Companies LL	CAL RESULTS: VOC's by EPA 82 C NLS Project: 86494	60 - Water - (Saturn 2)	<u>, , , , , , , , , , , , , , , , , , , </u>	Pa	age 2 of 18
Project Description: Thomas Ft. Atki Project Title: 0451-002	nson Template: SAT2W Printe	d: 12/30/2004	09:14			-	
Sample: 358934 MW-1	Collected: 12/16/04	Analyzed: 1	2/28/04 -				
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ		
1.2.3-Trichlorobenzene	ND	ug/L	1	0.17	0.64		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.11	0.37		-
1,1,1-Trichloroethane	ND	ug/L	1	0.14	0.48	n a sharan a sharan a shere a shere a shere a shere a shere a shere a san a shere a shere a shere a shere a she	
1,1,2-Trichloroethane	ND	ug/L	1	0,14	0.46		
Trichloroethene	ND	ug/L	1	0.12	0.39	· · · · · · · · · · · · · · · · · · ·	
Trichlorofluoromethane	ND	ug/L	1	0.15	0.49	1 · · ·	
1,2,3-Trichloropropane	ND	ug/L	1	0.23	0.76		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.14	0.48	an an an an an an an an an an an an an a	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.12	0.41	na na anna an Anna ann an Anna ann ann a	
Vinyl chloride	ND	ug/L	1	0.16	0.61		
meta.para-Xylene	ND	ug/L	1	0.26	0.88		
MTBE	ND	ug/L	1	0.14	0.48	Andrea and an and a submanifest and and a submanifest of a submanifest of a submanifest and a sub-sub-sub-sub-	
Isopropyl ether	ND	ug/L	1	0.13	0.45	· · · · · · · · · · · · · · · · · · ·	-
Dibromofluoromethane (SURR**)	98%						-
Toluene-d8 (SURR**)	105%			1994 at an Internation of Real of Rate and refer to the second second second second second second second second	*******		1
1-Bromo-4-Fluorobenzene (SURR**)	96%						-

Project Didescription: Thomas FL Atkinson Project Tittle: 0451-002 Template: SAT2W Printed: 12/20/20/20 09:14 Sample: 3593 MV-2 Collected: 12/16/04 Analyzed: 12/24/04 - MANTE NAME RESULT UNITS DL LOO Bromobergane ND ug/L 50 5.4 21 Bromobergane ND ug/L 50 53 35 Bromobergane ND ug/L 50 7.0 23 Bromobergane ND ug/L 50 7.0 23 Bromobergane ND ug/L 50 7.0 23 Bromobergane ND ug/L 50 6.1 20 Calcord Taron Terrolinde ND ug/L 50 6.1 20 Chibroobergane <th< th=""><th>Customer: NewF</th><th>A ields Compa</th><th>NALYTICAL RESUL nies LLC NLS F</th><th>TS: VOC's by El Project: 86494</th><th>PA 826</th><th>60 - Water - (</th><th>Saturn 2)</th><th>)</th><th></th><th>Page 3 of 18</th><th>}</th></th<>	Customer: NewF	A ields Compa	NALYTICAL RESUL nies LLC NLS F	TS: VOC's by El Project: 86494	PA 826	60 - Water - (Saturn 2))		Page 3 of 18	}
Project True. UND Collected: 12/16/04 Analyze True Sample: 35395 NV-2 Collected: 12/16/04 Analyze 12/24/04 - ANALYTE NAME RESULT UNITS DIL LOD Bernandozane ND ugl. 50 6.4 21 Bernandozane ND ugl. 50 5.5 18 Bromochionenehane ND ugl. 50 5.5 18 Bromochionenehane ND ugl. 50 7.9 28 Bromochionenehane ND ugl. 50 7.9 28 Bromochinene ND ugl. 50 7.0 23 Bromochinene ND ugl. 50 6.1 20 Chiorobarane ND ugl. 50 6.1	Project Descript	ion: Thomas	Ft. Atkinson	alata: SAT2\N/ [Printor	4. 12/30/2004	00.11				
ANALYTE NAME RESULT UNITS DIL LOO LOO Berzard NO ug4 50 54 11 Berzard NO ug4 50 55 11 Bromodichoconethane NO ug4 50 55 11 Bromodorn NO ug4 50 51 17 Bromodorn ND ug4 50 51 17 Bromodorn ND ug4 50 73 23 Bromodorn ND ug4 50 73 23 Bromodorn ND ug4 50 74 23 Bromodorn ND ug4 50 74 23 Chicocherzene ND ug4 50 64 20 Chicocherzene ND ug4 50 64 20 Chicocherzene ND ug4 50 64 20 Chicocherzene ND ug4 50	Sample: 358935	 	Tem	Collected: 12/16	/04	Analyzed: 1	2/24/04 -				
Data Nature Nature <td></td> <td></td> <td></td> <td>DEC</td> <td></td> <td>LINITS</td> <td></td> <td>1.00</td> <td>100</td> <td></td> <td></td>				DEC		LINITS		1.00	100		
Bename NO UPU Co. C.4. 21 Bernmelthormethane NO UPU 50 5.5 18 Bernmelthormethane NO UPU 50 5.5 18 Bernmelthormethane NO UPU 50 5.5 18 Bernmelthormethane NO UPU 50 5.1 17 Bernmethane ND UPU 50 5.1 17 Bernmethane ND UPU 50 7.7 26 Chicorbarzane ND UPU 50 6.1 20 Chicorbarzane ND UPU 50 6.1 21 Chicorbarane ND <td>ANALTIE NAN</td> <td></td> <td></td> <td></td> <td></td> <td>01113</td> <td>50</td> <td>5 0 LOD</td> <td>10</td> <td>and the state of the state of the state of the state of the state of the state of the state of the state of the</td> <td></td>	ANALTIE NAN					01113	50	5 0 LOD	10	and the state of the state of the state of the state of the state of the state of the state of the state of the	
Internetionalization ND Up1 ND Up1 ND Up1 State Bromolchinomehane ND Ug1 50 5.1 17 Bromolchinomehane ND Ug1 50 5.1 17 Bromolchinomehane ND Ug1 50 6.5 50 Februlbenzene ND Ug1 50 7.8 25 Chorotectrane ND Ug1 50 7.9 25 Chorotectrane ND Ug1 50 7.9 26 Chorotectrane ND Ug1 50 7.7 24 Chorotectrane ND Ug1 50 6.1 20 Chorotectrane ND Ug1 50 6.3 21 Chorotectrane ND Ug1 50 6.3 22 Chorotectrane ND Ug1 50 6.3 23 1.2-Dictrobectrane ND Ug1 50 6.3 23	Benzene			INI NI	<u>ן</u>		50	<u> </u>	19	Anna ann an Anailean an Anailean Anna an Anna ann an Anna an Anna an Anna an Anna an Anna an Anna an Anna Anna	
Bornedinane ND ug/L 50 8.5 35 Bromedrane ND ug/L 50 5.1 17 Bromedrane ND ug/L 50 6.5 3.3 sec-Butybenzene ND ug/L 50 7.9 2.6 sec-Butybenzene ND ug/L 50 7.0 2.3 Carbon Tetrachoride ND ug/L 50 7.7 2.6 Chiorobenzene ND ug/L 50 3.4 120 Chiorobenzene ND ug/L 50 6.1 20 Chiorobenzene ND ug/L 50 6.2 22 Chiorobenzene ND ug/L 50 6.2 22 Dibromorethane ND ug/L 50 6.2 22 Dibromorethane ND ug/L 50 8.2 27 1,2-Dichrono-Chiorophane ND ug/L 50 8.2 27 1,2-Dichioroch	Bromochloromethane			INI NI	<u>,</u>	ug/L ug/l	50	55	18		
Internation ND Up(L 50 5.1 17 Bromomehane ND Ug(L 50 16 50 r-Butybenzene ND Ug(L 50 13 35 ce-Butybenzene ND Ug(L 50 7.9 26 tert-Butybenzene ND Ug(L 50 7.7 26 Chicroberzene ND Ug(L 50 3.4	Bromodichlorometha	; 10		ini Ni	5	ug/L ug/l	50	9.5	35		
Incompetinane ND ug/L 50 16 50 Debutybenzene ND ug/L 50 7.9 28 See-Butybenzene ND ug/L 50 7.9 28 Carton Tetrachloride ND ug/L 50 7.7 26 Carton Tetrachloride ND ug/L 50 7.7 26 Chicocherzene ND ug/L 50 34 120 Chicocherzene ND ug/L 50 34 120 Chicocherzene ND ug/L 50 6.1 20 Chicoromethane ND ug/L 50 6.2 27 Chicoromethane ND ug/L 50 6.2 27 L2-Dioromosthane ND ug/L 50 6.3 23 L2-Dioromosthane ND ug/L 50 6.3 23 L2-Dioromosthane ND ug/L 50 6.6 22 L2-Dioro	Bromoform	16	and a shorth attack with the second second second second second second second second second second second second	N	, ,	ug/L	50	5.1	17		
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Inscription ND Ug/L 50 7.9 26 Carbon Tetrachloride ND Ug/L 50 7.7 26 Carbon Tetrachloride ND Ug/L 50 7.7 26 Chorosenane ND Ug/L 50 9.4 34 120 Chorosenane ND Ug/L 50 6.1 20 20 Chorosenane ND Ug/L 50 6.1 20 20 Chorosenane ND Ug/L 50 6.1 20 20 Chorosenane ND Ug/L 50 6.2 21 21 Chorosenane ND Ug/L 50 8.1 27 21 DibromeAnerene ND Ug/L 50 8.2 27 23 1.2Dichorosenane ND Ug/L 50 7.1 22 23 23 23 23 23 24 24 24 24 24 24	n-Butvlbenzene			N	5	ua/L	50	9.3	35		
Int-Budybanzene ND ug/L 50 7.0 23 Carbon Tetraholide ND ug/L 50 7.7 26 Chiorobanzene ND ug/L 50 34 120 Chiorobanzene ND ug/L 50 34 120 Chiorobanzene ND ug/L 50 6.1 20 Chiorobanzene ND ug/L 50 6.1 20 Chiorobanzene ND ug/L 50 6.2 21 Chiorobanzene ND ug/L 50 8.2 27 Jabbranoschioromethane ND ug/L 50 8.1 27 Jabbranoschioromethane ND ug/L 50 7.7 26 Jabbranoschioromethane ND ug/L 50 7.8 29 Jabbranoschioromethane ND ug/L 50 7.7 26 Jabbranoschioromethane ND ug/L 50 7.7 26	sec-Butvlbenzene	na a dana di separa da da mana da da mana da da da da da da da da da da da da da	A DEPENDENT OF THE DEPENDENT OF THE ADDRESS OF THE ADDRESS AND ADDRESS ADDRE	N)	ug/L	50	7.9	26		
Carton Tetrachioride ND ug/L 50 7.7 26 Chiorobenane ND ug/L 50 9.5 34 Chiorobenane ND ug/L 50 9.5 34 Chiorobenane ND ug/L 50 6.1 20 Chiorobluene ND ug/L 50 6.1 20 Chiorobluene ND ug/L 50 6.2 21 Chiorobluene ND ug/L 50 6.2 27 12.Dibromo-S-Chioropropane ND ug/L 50 1.2 42 12.Dibromo-S-Chioropropane ND ug/L 50 1.2 42 12.Dibromo-S-Chioropropane ND ug/L 50 1.2 42 12.Dibromo-S-Chioropropane ND ug/L 50 7.7 26 12.Dibromo-S-Chioropropane ND ug/L 50 6.6 22 1.Solchiorobenane ND ug/L 50 6.6 22<	tert-Butvlbenzene			N)	ug/L	50	7.0	23		
Chickenzene ND ug/L 50 34 Chickentene ND ug/L 50 34 120 Chickentene ND ug/L 50 61 20 Chickentene ND ug/L 50 61 20 Chickentene ND ug/L 50 63 21 Chickentene ND ug/L 50 62 22 Dibromochane ND ug/L 50 62 22 Dibromochane ND ug/L 50 62 22 12.Dibromochane ND ug/L 50 7.8 29 1.2.Dichorobenzene ND ug/L 50 7.7 26 1.3.Dichorobenzene ND ug/L 50 7.7 26 1.1.Dichorobenzene ND ug/L 50 62 22 1.4.Dichorobenzene ND ug/L 50 62 22 1.2.Dichorobenzene ND <td< td=""><td>Carbon Tetrachloride</td><td></td><td></td><td>N</td><td>)</td><td>ug/L</td><td>50</td><td>7.7</td><td>26</td><td></td><td></td></td<>	Carbon Tetrachloride			N)	ug/L	50	7.7	26		
Chicrosethane ND ug/L 50 34 120 Chicroform ND ug/L 50 6.1 20 Chicrofouene ND ug/L 50 6.1 20 Chicrofouene ND ug/L 50 6.3 21 Chicrofouene ND ug/L 50 6.3 21 Dibromchormethane ND ug/L 50 8.2 27 1,2-Dibromo-3-Chicropropane ND ug/L 50 8.1 27 Dibromchorene ND ug/L 50 8.1 27 Dibromchorene ND ug/L 50 5.2 17 J-Dichorobenzene ND ug/L 50 5.2 17 J-Dichorothene ND ug/L 50 7.7 26 J-Dichorothene ND ug/L 50 6.6 22 J-Dichorothene S900 ug/L 50 7.4 25 J-Dichoropropo	Chlorobenzene		***************************************	N)	ug/L	50	9.5	34		
Chioroform ND ug/L 50 6.1 20 Chiorotoluene ND ug/L 50 6.1 20 2-Chiorotoluene ND ug/L 50 6.2 20 Dioromethane ND ug/L 50 8.2 27 Dioromethane ND ug/L 50 8.2 27 12-Diorono-chioropropane ND ug/L 50 8.1 27 12-Diorono-chioropropane ND ug/L 50 7.8 29 13-Dichoroberzene ND ug/L 50 7.7 26 14-Dichoroberzene ND ug/L 50 7.7 26 14-Dichorochnane ND ug/L 50 6.6 22 12-Dichorochnane ND ug/L 50 6.6 22 14-Dichorochnane ND ug/L 50 6.6 22 12-Dichorochnane ND ug/L 50 5.4 18	Chloroethane			N)	ug/L	50	34	120		
Chloromethane ND ug/L 50 6.1 20 2-Chlorotoluene ND ug/L 50 6.6 22 12-Dibromo-domethane ND ug/L 50 6.6 22 12-Dibromo-domethane ND ug/L 50 8.1 27 12-Dibromo-domethane ND ug/L 50 7.8 29 13-Dichoroberzene ND ug/L 50 6.3 23 13-Dichoroberzene ND ug/L 50 5.2 17 1-Abchoroberzene ND ug/L 50 7.7 26 1-Dichoroethane ND ug/L 50 7.7 26 1-Dichoroethane ND ug/L 50 6.6 22 1-Dichoroethane ND ug/L 50 6.6 22 1-Dichoroethane 18 ug/L 50 6.6 22 1-Dichoroethane 192 00 6.6 22 12	Chloroform	and an an an an an an an an an an an an an	an an ann an ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an Ann an	N)	ug/L	50	6.1	20		
2-Chiorotoluene NO ug/L 50 6.3 21 4-Chiorotoluene NO ug/L 50 6.6 22 Dibromochloromethane NO ug/L 50 8.2 27 12-Dibromochloromethane NO ug/L 50 8.1 27 12-Dibromochloromethane NO ug/L 50 8.1 27 12-Dibromoethane ND ug/L 50 6.3 23 13-Dicktorobenzene ND ug/L 50 6.3 23 14-Dicktorobenzene ND ug/L 50 6.6 22 14-Dicktorotethane ND ug/L 50 6.6 22 12-Dicktorotethane ND ug/L 50 6.6 22 12 12-Dicktorotethane ND ug/L 50 6.6 22 12 12-Dicktorotethane ND ug/L 50 6.6 22 12 12-Dicktorotethane 32 ug/L <td>Chloromethane</td> <td></td> <td></td> <td>N</td> <td>)[.]</td> <td>ug/L</td> <td>50</td> <td>6.1</td> <td>20</td> <td></td> <td></td>	Chloromethane			N) [.]	ug/L	50	6.1	20		
4-Chorotoluene NO ug/L 50 6.6 22 12-Dibromo-3-Chloropropane NO ug/L 50 8.2 27 12-Dibromo-s-Chloropropane ND ug/L 50 8.1 27 12-Dibromo-s-Chloropropane ND ug/L 50 8.1 27 Dibromotheme ND ug/L 50 7.8 29 13-Dichorobenzene ND ug/L 50 6.3 23 13-Dichorobenzene ND ug/L 50 5.2 17 14-Dichorobenzene ND ug/L 50 9.7 32 Dichorodiuromethane ND ug/L 50 7.7 26 1,1-Dichoroethane ND ug/L 50 6.6 22 11 1,2-Dichoroethane ND ug/L 50 6.6 22 12 1,2-Dichoroethane 18 ug/L 50 6.6 22 12 1,2-Dichoroethane 30 ug/L 50 7.4 25 25 1,2-Dichoroethane ND </td <td>2-Chlorotoluene</td> <td></td> <td></td> <td>N</td> <td>)</td> <td>ug/L</td> <td>50</td> <td>6.3</td> <td>21</td> <td></td> <td></td>	2-Chlorotoluene			N)	ug/L	50	6.3	21		
Ditormechiane ND ug/L 50 8.2 27 12.Dibromoethane ND ug/L 50 8.1 27 12.Dibromoethane ND ug/L 50 8.1 27 12.Dibromoethane ND ug/L 50 7.8 29 12.Dichorobenzene ND ug/L 50 6.3 23 13.Dichorobenzene ND ug/L 50 6.7 32 Dichoroethane ND ug/L 50 6.6 22 1.Dichoroethane ND ug/L 50 6.6 22 1.Dichoroethane ND ug/L 50 6.4 12 1.Dichoroethane ND ug/L 50 6.4 18 1.Dichoroethane 32 ug/L 50 6.4 18 1.2.Dichoroethane ND ug/L 50 6.3 21 1.Dichoroethane 32 ug/L 50 6.4 18 1.2	4-Chlorotoluene			N)	ug/L	50	6.6	22		
1,2-Dibromo-3-Chitoropropane ND ug/L 50 12 42 1,2-Dibromorethane ND ug/L 50 8.1 27 1,3-Dibromorethane ND ug/L 50 6.3 23 1,3-Dichorobenzene ND ug/L 50 5.2 17 1,4-Dichorobenzene ND ug/L 50 9.7 32 Dichoroofflauromethane ND ug/L 50 6.6 22 1,1-Dichoroethane 1(18) ug/L 50 6.6 22 1,1-Dichoroethene 32 ug/L 50 6.6 22 1,2-Dichoroethene ND ug/L 50 6.6 22 1,2-Dichoroethene ND ug/L 50 6.6 22 1,2-Dichoroethene ND ug/L 50 7.4	Dibromochlorometha	ne		N)	ug/L	. 50	8.2	27		
1,2-Dibromoethane ND ug/L 50 8,1 27 1,2-Dichorobenzene ND ug/L 50 7,8 29 1,2-Dichorobenzene ND ug/L 50 6,3 23 1,3-Dichorobenzene ND ug/L 50 5,2 17 1,4-Dichorobenzene ND ug/L 50 7,7 26 Dichoroethane ND ug/L 50 6,6 22 1,2-Dichoroethane ND ug/L 50 6,6 22 1,2-Dichoroethene [18] ug/L 50 6,6 22 1,2-Dichoroethene 32 ug/L 50 6,4 18 1,2-Dichoroethene 32 ug/L 50 6,3 21 1,2-Dichoroethene 32 ug/L 50 6,4 18 1,2-Dichoroethene ND ug/L 50 7,4 25 2,2-Dichoroethene ND ug/L 50 7,4 25 2,2-Dichoroethene ND ug/L 50 7,1 23	1,2-Dibromo-3-Chloro	propane		N)	ug/L	50	12	42		
Dibrommethane ND ug/L 50 7.8 29 13-Dichlorobenzene ND ug/L 50 6.3 23 13-Dichlorobenzene ND ug/L 50 5.2 17 14-Dichlorobenzene ND ug/L 50 9.7 32 Dichlorodfiloromethane ND ug/L 50 7.7 26 1,1-Dichloroethane ND ug/L 50 6.6 22 1,2-Dichloroethane ND ug/L 50 6.6 22 1,2-Dichloroethene 181 ug/L 50 6.6 22 1,2-Dichloroethene 180 ug/L 50 5.4 18 1,2-Dichloroptopane ND ug/L 50 6.3 21 1,3-Dichloroptopane ND ug/L 50 8.6 29 2,2-Dichloroptopene ND ug/L 50 8.6 29 1,1-Dichloroptopene ND ug/L 50 7.1 23<	1,2-Dibromoethane			N)	ug/L	50	8.1	27		
1,2-Dichlorobenzene ND ug/L 50 6.3 23 1,3-Dichlorobenzene ND ug/L 50 9.7 32 1,4-Dichlorobenzene ND ug/L 50 9.7 32 Dichloroditivoromethane ND ug/L 50 9.7 32 1,2-Dichloroethane ND ug/L 50 6.6 22 1,2-Dichloroethane ND ug/L 50 6.6 22 1,2-Dichloroethane ND ug/L 50 6.6 22 1,2-Dichloroethene 118 ug/L 50 6.6 22 1,2-Dichloroethene 32 ug/L 50 6.3 21 1,2-Dichloroptopane ND ug/L 50 6.3 21 1,2-Dichloroptopane ND ug/L 50 7.4 25 2,2-Dichloroptopane ND ug/L 50 8.6 29 2,3-Dichloroptopene ND ug/L 50 7.3 24 Ethylbenzene ND ug/L 50 7.1 2	Dibromomethane			N	<u>)</u>	ug/L	50	7.8	29	and a state of the	
1,3-Dichlorobenzene ND ug/L 50 5.2 17 1,4-Dichlorobenzene ND ug/L 50 9.7 32 Dichlorodifluoromethane ND ug/L 50 7.7 26 1,1-Dichloroethane ND ug/L 50 6.6 22 1,1-Dichloroethane 18 ug/L 50 6.6 22 1,1-Dichloroethene 18 ug/L 50 6.6 22 (cis.1,2-Dichloroethene 32 ug/L 50 6.3 21 1,2-Dichloroethene 32 ug/L 50 6.3 21 1,3-Dichloropropane ND ug/L 50 7.4 25 2,2-Dichloropropane ND ug/L 50 7.4 25 2,2-Dichloropropene ND ug/L 50 7.3 24 1,1-Dichloropropene ND ug/L 50 7.1 23 1,1-Dichloropropene ND ug/L 50 7.1 23 1,1-Dichloropropene ND ug/L 50 7.1	1,2-Dichlorobenzene			N)	ug/L	50	6.3	23		
1,4-Ujchlorobenzene ND ug/L 50 9.7 32 1,1-Dichloroethane ND ug/L 50 7.7 26 1,2-Dichloroethane ND ug/L 50 6.6 22 1,2-Dichloroethane ND ug/L 50 6.6 22 1,2-Dichloroethene [18] ug/L 50 6.6 22 trans-1,2-Dichloroethene [32 ug/L 50 6.4 18 1,2-Dichloroethene [32 ug/L 50 6.3 21 1,2-Dichloropthene ND ug/L 50 6.3 21 1,2-Dichloroptopane ND ug/L 50 6.3 21 1,2-Dichloropropane ND ug/L 50 7.4 25 2,2-Dichloropropane ND ug/L 50 7.4 25 2,2-Dichloropropane ND ug/L 50 7.3 24 trans-1,3-Dichloropropene ND ug/L 50 7.1 23 trans-1,3-Dichloropropene ND ug/L 50 <t< td=""><td>1,3-Dichlorobenzene</td><td></td><td></td><td>NL</td><td>)</td><td>ug/L</td><td>50</td><td>5.2</td><td>17</td><td></td><td></td></t<>	1,3-Dichlorobenzene			NL)	ug/L	50	5.2	17		
Dichlorodifiuoromethane ND Ug/L 50 7.7 26 1.1-Dichloroethane ND Ug/L 50 6.6 22 1.1-Dichloroethane I18 Ug/L 50 6.6 22 1.1-Dichloroethene I18 Ug/L 50 6.6 22 trans-1.2-Dichloroethene 5900 Ug/L 500 66 220 trans-1.2-Dichloroethene 32 Ug/L 50 6.3 21 1.3-Dichloropropane ND Ug/L 50 6.3 21 1.3-Dichloropropane ND Ug/L 50 8.6 29 2.4-Dichloropropane ND Ug/L 50 7.3 24 2.5-Dichloropropene ND Ug/L 50 7.1 23 1.5-Dichloropropene ND Ug/L 50 7.1 23 1.5-Dichloropropene ND Ug/L 50 7.1 23 Ethylbenzene ND Ug/L 50 5.1 <td>1,4-Dichlorobenzene</td> <td></td> <td>n o antipa na summariya megnyawan ikang awaranan constructions sile-tar Anna Anna Anna</td> <td>N</td> <td>)</td> <td>ug/L</td> <td>50</td> <td>9.7</td> <td>32</td> <td></td> <td></td>	1,4-Dichlorobenzene		n o antipa na summariya megnyawan ikang awaranan constructions sile-tar Anna Anna Anna	N)	ug/L	50	9.7	32		
ND Ug/L S0 0.6 22 1,2-Dichloroethane ND Ug/L 50 6.6 22 1,2-Dichloroethane [18] Ug/L 50 6.6 22 cis-1,2-Dichloroethane [19] Ug/L 50 6.6 22 trans-1,2-Dichloroethane 32 Ug/L 50 6.3 21 1,3-Dichloropropane ND Ug/L 50 6.3 21 1,3-Dichloropropane ND Ug/L 50 6.3 21 1,3-Dichloropropane ND Ug/L 50 8.6 29 2,2-Dichloropropane ND Ug/L 50 8.6 29 1,1-Dichloropropene ND Ug/L 50 7.3 24 Ethylbenzene ND Ug/L 50 7.1 23 Isopropylbenzene ND Ug/L 50 6.1 20 p-lsopropylbenzene ND Ug/L 50 6.1 20	Dichlorodifluorometha	ine		NL)	ug/L	50	<u> </u>	26	······································	
1,2-Dichloroethane ND ug/L 50 6.6 22 1,1-Dichloroethane [18] ug/L 500 66 220 trans-1,2-Dichloroethane 32 ug/L 50 5.4 18 1,3-Dichloropropane ND ug/L 50 6.3 21 1,3-Dichloropropane ND ug/L 50 6.3 21 1,3-Dichloropropane ND ug/L 50 6.3 21 1,3-Dichloropropane ND ug/L 50 7.4 25 2,2-Dichloropropane ND ug/L 50 8.6 29 1,1-Dichloropropane ND ug/L 50 10 39 trans-1,3-Dichloropropene ND ug/L 50 7.3 24 Ethylbenzene ND ug/L 50 7.1 23 Hexachlorobutadiene ND ug/L 50 7.1 23 Hexachlorobutadiene ND ug/L 50 5.2 17 Isoproyldouene ND ug/L 50 5.2	1,1-Dichloroethane			NL	<u>,</u>	ug/L	50	0.0	22		
I, 1-Dichloroethene It3 Ug/L 50 12 44 cis-1, 2-Dichloroethene 52 Ug/L 50 66 220 trans-1, 2-Dichloroethene 32 Ug/L 50 5.4 18 1, 2-Dichloropropane ND Ug/L 50 6.3 21 1, 3-Dichloropropane ND Ug/L 50 7.4 25 2, 2-Dichloropropane ND Ug/L 50 8.2 27 1, 1-Dichloropropane ND Ug/L 50 8.6 29 cis-1, 3-Dichloropropene ND Ug/L 50 7.3 24 trans-1, 3-Dichloropropene ND Ug/L 50 7.1 23 trans-1, 3-Dichloropropene ND Ug/L 50 7.1 23 trans-1, 3-Dichloropropene ND Ug/L 50 7.1 23 Ethylbenzene ND Ug/L 50 6.1 20 p-Isopropyltoluene ND Ug/L 50 5.8 19 p-Isopropyltoluene ND Ug/L	1,2-Dichloroethane				<u>ן</u>	ug/L	50	0.0	22		
Lds-1,2-Dichloroethene 3500 Ug/L 500 60 220 trans-1,2-Dichloroethene 32 ug/L 50 5.4 18 1,3-Dichloropropane ND ug/L 50 6.3 21 1,3-Dichloropropane ND ug/L 50 6.3 21 1,3-Dichloropropane ND ug/L 50 8.6 29 1,1-Dichloropropene ND ug/L 50 8.6 29 1,1-Dichloropropene ND ug/L 50 7.3 24 Ethylbenzene ND ug/L 50 7.1 23 Ethylbenzene ND ug/L 50 7.1 23 Isopropylobenzene ND ug/L 50 7.1 23 p-Isopropylobenzene ND ug/L 50 6.1 20 p-Isopropylobenzene ND ug/L 50 8.2 30 1 n-Propylbenzene ND ug/L 50 8.2 30 1 n-Propylbenzene ND ug/L 50	1,1-Dichloroethene				2	ug/L	50	12	44		
J2-Dichloreurene J2 Jg/L 50 J.4 16 1,2-Dichloropropane ND ug/L 50 6.3 21 1,3-Dichloropropane ND ug/L 50 7.4 25 2,2-Dichloropropane ND ug/L 50 8.2 27 1,1-Dichloropropene ND ug/L 50 8.6 29 cis-1,3-Dichloropropene ND ug/L 50 7.3 24 Ethylbenzene ND ug/L 50 7.3 24 Ethylbenzene ND ug/L 50 7.1 23 Pisopropylbenzene ND ug/L 50 7.1 23 Isopropylbenzene ND ug/L 50 6.1 20 Pisopropylbenzene ND ug/L 50 5.8 19 Methylene chloride ND ug/L 50 8.2 20 Methylene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 6.7 22	trans 1.2 Dichlorooth			09L	<u>/U</u>	ug/L	500	51	420	na farafat ka da a sana da a a 1999 il 1997 il 1997 il 1997 il 1997 il 1997 il 1997 il 1997 il 1997 il 1997 il 1	
1,3-Dichloropropane ND ug/L 50 6.3 21 1,3-Dichloropropane ND ug/L 50 8.2 27 1,1-Dichloropropane ND ug/L 50 8.6 29 1,1-Dichloropropene ND ug/L 50 7.4 25 cis-1,3-Dichloropropene ND ug/L 50 8.6 29 trans-1,3-Dichloropropene ND ug/L 50 7.3 24 Ethylbenzene ND ug/L 50 7.1 23 Hexachlorobutadiene ND ug/L 50 12 44 Isopropylbenzene ND ug/L 50 5.8 19 p-Isopropylbourne ND ug/L 50 5.2 17 Naphthalene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 8.5 28 Styrene ND ug/L 50 8.7 22 1,1,2-Tetrachloroethane ND ug/L 50 8.2 27	1 2 Dichlerenrenene	ene		رو NI		ug/L	50	0.4	10	anta ang pang pang pang pang pang pang pang	
1,3-Dichloropropane ND ug/L 50 7.4 25 1,1-Dichloropropane ND ug/L 50 8.2 27 1,1-Dichloropropane ND ug/L 50 8.6 29 cis-1,3-Dichloropropene ND ug/L 50 7.3 24 trans-1,3-Dichloropropene ND ug/L 50 7.3 24 Ethylbenzene ND ug/L 50 7.1 23 Hexachlorobutadiene ND ug/L 50 7.1 23 Isopropylbenzene ND ug/L 50 6.1 20 p-lsopropylboluene ND ug/L 50 5.8 19 Methylene chloride ND ug/L 50 8.2 30 n-Propylbenzene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 8.2 27 1,1,2.2-Tetrachloroethane ND ug/L 50 6.7 22 <	1,2-Dichloropropane				, 		50	7 /	<u> </u>		
Z_Z=Dichloropropene ND Ug/L 50 6.2 27 1,1-Dichloropropene ND ug/L 50 8.6 29 cis-1,3-Dichloropropene ND ug/L 50 10 39 trans-1,3-Dichloropropene ND ug/L 50 7.3 24 Ethylbenzene ND ug/L 50 7.1 23 Hexachlorobutadiene ND ug/L 50 6.1 20 Isopropylbenzene ND ug/L 50 6.1 20 p-lsopropylbenzene ND ug/L 50 5.8 19 Methylene chloride ND ug/L 50 8.2 30 n-Propylbenzene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 7.0 23 1,1,2.2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2.2-Tetrachloroethane ND ug/L 50 8.2 27<	2.2 Dichloropropane				, ,		50	9.2	20		
Induction opponent ND Ug/L S0 6.0 29 trans-1,3-Dichloropropene ND ug/L 50 10 39 trans-1,3-Dichloropropene ND ug/L 50 7.3 24 Ethylbenzene ND ug/L 50 7.1 23 Hexachlorobutadiene ND ug/L 50 6.1 20 Isopropylbenzene ND ug/L 50 5.8 19 p-lsopropyltoluene ND ug/L 50 5.2 17 Naphthalene ND ug/L 50 8.2 30 n-Propylbenzene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 7.0 23 1,1,2.2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2.2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2.2-Tetrachloroethane ND ug/L 50 6.7 22	1 1 Dichloropropono				<u>,</u>	ug/L	50	86	20		
Itans-1,3-Dichloropropene ND ug/L 50 7.3 24 Itans-1,3-Dichloropropene ND ug/L 50 7.1 23 Hexachlorobutadiene ND ug/L 50 7.1 23 Hexachlorobutadiene ND ug/L 50 6.1 20 p-Isopropylbenzene ND ug/L 50 5.8 19 Methylene chloride ND ug/L 50 5.2 17 Naphthalene ND ug/L 50 8.2 30 ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 6.7 22 1,1,2,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 6.7 22 1,1,2,2-Tetrachloroethane ND ug/L 50 6.7 22	cis-1 3-Dichloropropene	no			י ר		50	10	29	1999 (M. 1) (M. 1999 (M. 1997	
Items 1, 3-Diction of option ND Ug/L 50 7.3 24 Ethylbenzene ND Ug/L 50 7.1 23 Hexachlorobutadiene ND Ug/L 50 7.1 23 Isopropylbenzene ND Ug/L 50 6.1 20 p-lsopropylbenzene ND ug/L 50 5.8 19 Methylene chloride ND ug/L 50 8.2 30 n-Propylbenzene ND ug/L 50 8.2 30 n-Propylbenzene ND ug/L 50 6.7 22 ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 7.0 23 1,1,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 10 33 Tetrachloroethane 120 ug/L 50 6.7 22	trane 1.3 Dichloroprope	none			י ר		50	73	24		
Linyberizere ND Ug/L 50 1.1 23 Hexachlorobutadiene ND ug/L 50 12 44 Isopropylbenzene ND ug/L 50 6.1 20 p-Isopropyltoluene ND ug/L 50 5.8 19 Methylene chloride ND ug/L 50 5.2 17 Naphthalene ND ug/L 50 8.2 30 n-Propylbenzene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 8.2 27 1,1,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 6.7 22 1,1,2,2-Tetrachloroethane ND ug/L 50 6.7 22	Ethylbenzene	Jelle)		50	7.0	24	akaan mana aga ga ga affi ta ah ee ah ah ah ah ah ah ah ah ah ah ah ah ah	
ND Ug/L 50 12 44 Isopropylbenzene ND ug/L 50 6.1 20 p-Isopropyltoluene ND ug/L 50 5.8 19 Methylene chloride ND ug/L 50 5.2 17 Naphthalene ND ug/L 50 8.2 30 n-Propylbenzene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 7.0 23 1,1,1,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 6.7 22 1,1,2,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 6.7 22	Hevachlorobutadiene				י ז		50	12	<u> </u>		
ND Ug/L 50 5.8 19 p-Isopropyldolene ND ug/L 50 5.8 19 Methylene chloride ND ug/L 50 5.2 17 Naphthalene ND ug/L 50 8.2 30 n-Propylbenzene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 7.0 23 1,1,1,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 6.7 22 1,1,2,2-Tetrachloroethane ND ug/L 50 8.2 27	Isonronvlhenzene				<u>,</u>	<u>ug/L</u>	50	61	20		
Noproprior ND ug/L 50 5.2 17 Naphthalene ND ug/L 50 8.2 30 n-Propylbenzene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 7.0 23 1,1,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 6.7 22 1,1,2,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 10 33	p-lsopropyltoluene			N	<u>,</u>	ug/L	50	5.8	19		
Naphthalene ND ug/L 50 8.2 30 n-Propylbenzene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 7.0 23 1,1,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 10 33 Tetrachloroethane 120 ug/L 50 6.7 22	Methylene chloride			N)	ug/L	50	5.2	17		
n-Propylbenzene ND ug/L 50 8.5 28 ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 7.0 23 1,1,1,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 10 33 Tetrachloroethane 120 ug/L 50 6.7 22	Naphthalene	anna a anna a' Anna ann ann an ann an gu gu gu gu ann ann a righ an a gu ann ann an an ann an ann an ann an an	a analogo shi e tako daharang olarang na ang manang manang barang sa sa ang manang barang sa sa sa sa sa sa sa	NE)	ug/L	50	8.2	30		
ortho-Xylene ND ug/L 50 6.7 22 Styrene ND ug/L 50 7.0 23 1,1,1,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 10 33 Tetrachloroethane 120 ug/L 50 6.7 22	n-Propylbenzene			NE)	ug/L	50	8.5	28		
Styrene ND ug/L 50 7.0 23 1,1,1,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 10 33 Tetrachloroethane 120 ug/L 50 6.7 22	ortho-Xylene		ada ada sada mada na disaba na manana manang ng papang ng pang ng pang ng pang na manang ng pang ng pang ng pa	NE)	ug/L	50	6.7	22		
1,1,2-Tetrachloroethane ND ug/L 50 8.2 27 1,1,2,2-Tetrachloroethane ND ug/L 50 10 33 Tetrachloroethane 120 ug/L 50 6.7 22	Styrene			NE)	ug/L	50	7.0	23	No. 2019 - 101 - 100 - 1	
1,1,2,2-Tetrachloroethane ND ug/L 50 10 33 Tetrachloroethene 120 ug/L 50 6.7 22	1,1,1,2-Tetrachloroett	nane	n na manana yana manana manana na manana manana ya na na manana manana manana manana kata kata kata kata kata m	N)	ug/L	50	8.2	27		
Tetrachloroethene 120 ug/L 50 6.7 22	1,1,2,2-Tetrachloroeth	nane		NE)	ug/L	50	10	33	namena and an an an an an an an an an an an an an	
	Tetrachloroethene			12	0	ug/L	50	6.7	22	1	
Toluene ND ug/L 50 10 39	Toluene			NE)	ug/L	50	10	39		

ANALYT Customer: NewFields Companies LL	ICAL RESULTS: VOC's by EPA 82 C NLS Project: 86494	:60 - Water - (Saturn 2)		Page 4 of 18
Project Description: Thomas Ft. Atk Project Title: 0451-002	inson Template: SAT2W Printe	ed: 12/30/2004	1 09:14			1
Sample: 358935 MW-2	Collected: 12/16/04	Analyzed: '	12/24/04 -		· · · · ·	
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	· · ·
1,2,3-Trichlorobenzene	ND	ug/L	50	8.7	32	
1,2,4-Trichlorobenzene	ND	ug/L	50	5.3	19	
1,1,1-Trichloroethane	ND	ug/L	50	7.2	24	
1,1,2-Trichloroethane	ND	· ug/L	50	6.9	23	
Trichloroethene	140	ug/L	50	5.9	19	
Trichlorofluoromethane	ND	ug/L	50	7.3	24	neurona de la construcción de
1,2,3-Trichloropropane	ND	ug/L	50	11	38	
1,2,4-Trimethylbenzene	ND	ug/L	50	7.2	24	
1,3,5-Trimethylbenzene	ND	ug/L	50	6.1	20	and the common of the control of the set of the set of the set of the set of the set of the set of the set of
Vinyl chloride	33	ug/L	50	8.2	30	
meta,para-Xylene	· ND	ug/L	50	13	44	
MTBE	ND	ug/L	50	7.2	24	e en efficiente a charactériche de la décide de la conservance du contre a constant en constant en constant en L
sopropyl ether	ND	ug/L	50	6.7	22	
Dibromofluoromethane (SURR**)	105%					
Toluene-d8 (SURR**)	108%					
1-Bromo-4-Fluorobenzene (SURR**)	98%				an fan en werden ander de en anne en anne en en an an anne en ante en an de en an anne and af an	historia de la companya de la companya de la companya de la companya de la de la companya de la companya de la

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ANALYTICAL Customer: NewFields Companies LLC	RESULTS: VOC's by EPA 820 NLS Project: 86494	60 - Water - (Saturn 2)			Pa	age 5 of 18
Project Description: Thomas Ft. Atkinson Project Title: 0451-002	n Template: SAT2W Printed	1: 12/30/2004	09:14				
Sample: 358936 MW-2A	Collected: 12/16/04	Analyzed:	12/24/04 -		······································		· · · · · · · · · · · · · · · · · · ·
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ		
Benzene	ND	ug/L	50	5.8	19		
Bromobenzene	ND	ug/L	50	6.4	21		
Bromochloromethane	ND	ug/L	50	5.5	18		
Bromodichloromethane	ND	ug/L	50	9.5	35	na a seja mang na sa sa sa sa sa sa sa sa sa sa sa sa sa	
Bromoform	ND	ug/L	50	5.1	17	:	
Bromomethane	ND	ug/L	50	16	50		
n-Butylbenzene	. ND	ug/L	50	9.3	35	-	-
sec-Butylbenzene	ND	ug/L	50	7.9	26	l	
tert-Butylbenzene	ND	ug/L	50	7.0	23		
Carbon Tetrachloride	ND	ug/L	50	1.7	26	ne i fann ne fer men ferste ferste ferste sterre af sterre ferste sterre ferste sterre ferste sterre sterre ste	a angle
Chlorobenzene	ND	ug/L	50	9.5	34	i	-
Chloroethane	ND	ug/L	50	34	120		
Chloroform	ND	ug/L	50	6.1	20		
Chloromethane		ug/L	50	0.1	20		
	NU	ug/L	50	0.3	21		-
Dibromophloromothono	ND	ug/L	50	0.0	22	· · · · · · · · · · · · · · · · · · ·	
Dibromocniorometnane			50	0.2	<u> </u>		
1,2-Dibromo-3-Chioropropane		ug/L	50	0.1	42		
1,2-Dibromoethane		ug/L	50	7.9	21		
1 2 Dichlorobonzono		ug/L ug/l	50	63	29		1
1,2-Dichlorobenzene	ND	ug/L ug/L	50	5.2	17		
1,3-Dichlorobenzene		<u>ug/L</u>	50	9.2	32		
Dichlorodifluoromethane		<u>ug/c</u>	50	77	26	· · · · · · · · · · · · · · · · · · ·	
1 1-Dichloroethane	ND	ug/L	50	6.6	20		
1 2-Dichloroethane	ND	ug/L	50	6.6	22		
1 1-Dichloroethene	ND ND	ug/L	50	12	44		
cis-1 2-Dichloroethene	380	ug/L	50	6.6	22	al paranchendra ja milita mala general anti dan sa sa sa sa sa sa sa sa sa sa sa sa sa	
trans-1 2-Dichloroethene	ND	ug/L	50	5.4	18	an an an an an an an an an an an an an a	1
1.2-Dichloropropane	ND	ua/L	50	6.3	21		1
1.3-Dichloropropane		ug/L	50	7.4	25	11411-11-11-11-11-1-1-1-1-1-1-1-1-1-1-1	
2.2-Dichloropropane	ND	ug/L	50	8.2	27		
1,1-Dichloropropene	ND	ug/L	50	8.6	29		
cis-1,3-Dichloropropene	ND	ug/L	50	10	39		4
trans-1,3-Dichloropropene	ND	ug/L	50	7.3	24		
Ethylbenzene		ug/L	50	7.1	23		
Hexachlorobutadiene	ND	ug/L	50	12	44	der mennen ansementen in geföreren in det er i det til statet anderen anderen anderen anderen anderen anderen a 	
Isopropylbenzene	ND	ug/L	50	6.1	20]
p-lsopropyltoluene	ND	ug/L	50	5.8	19		
Methylene chloride	ND	ug/L	50	5.2	17		
Naphthalene	ND	ug/L	50	8.2	30		
n-Propylbenzene	ND	ug/L	50	8.5	28		
ortho-Xylene	ND	ug/L	50	6.7	22		-
Styrene	ND	ug/L	50	7.0	23		
1,1,1,2-Tetrachloroethane	ND	ug/L	50	8.2	27		
1,1,2,2-Tetrachloroethane	ND	ug/L	50	10	33		
Tetrachloroethene	44	ug/L	50	6.7	22		
loluene	ND	ug/L	50	10	39]

ANALYTICAI Customer: NewFields Companies LLC Project Description: Thomas Ft. Atkinso	RESULTS: VOC's by EPA 826 NLS Project: 86494	ULTS: VOC's by EPA 8260 - Water - (Saturn 2) -S Project: 86494						
Sample: 358936 MW-2A	Collected: 12/16/04	Analyzed:	12/24/04					
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	· · · · · · · · · · · · · · · · · · ·		
1.2.3-Trichlorobenzene	ND	ua/L	50	8.7	32	IF THE WHET THIS IS IN HEATHER AND IN AN A STRAIGHT AND A STRAIGHT AND A STRAIGHT AND A STRAIGHT AND A STRAIGHT		
1,2,4-Trichlorobenzene	ND	ug/L	50	5.3	19			
1,1,1-Trichloroethane	ND	ug/L	50	7.2	24			
1,1,2-Trichloroethane	ND	ug/L	50	6.9	23	999		
Trichloroethene	69	ug/L	50	5.9	19	na nganangang mang di apad dikad dikada kan ka ka ka ka ka ka ka ka ka ka ka ka ka		
Trichlorofluoromethane	ND	ug/L	50	7.3	24			
1,2,3-Trichloropropane	ND	ug/L	50	11	38	en al parente a sur la constante de la constante de la constante de la constante de la constante de la constant		
1,2,4-Trimethylbenzene	ND	ug/L	50	7.2	24			
1,3,5-Trimethylbenzene	ND	ug/L	50	6.1	20	MMMMM MM W F with phases a phone in the state of a state constraint of phone and phone and phone in the state of the state		
Vinyl chloride	[29]	ug/L	50	8.2	30			
meta,para-Xylene	ND	ug/L	50	13	44			
MTBE	ND	ug/L	50	7.2	24			
Isopropyl ether	ND	ug/L	50	6.7	22			
Dibromofluoromethane (SURR**)	102%							
Toluene-d8 (SURR**)	108%							
1-Bromo-4-Fluorobenzene (SURR**)	100%				an and a second s			

Customer: NewFields Companies LLC Project Description: Thomas Ft. Atkinson Project Title: 0451-002	RESULTS: VOC'S by EPA 82 NLS Project: 86494 Template: SAT2W Printe	60 - Water - (d: 12/30/2004	Saturn 2) 1 09:14)		Page 7 of 18
Sample: 358937 MW-3	Collected: 12/16/04	Analyzed: 1	2/28/04 -			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Benzene	ND	ug/L	5000	580	1900	
Bromobenzene	. ND	ug/L	5000	640	2100	
Bromochloromethane	ND	ug/L	5000	550	1800	
Bromodichloromethane	ND	ug/L	5000	950	3500	
Bromoform	ND	ug/L ·	5000	510	1700	
Bromomethane	ND	ug/L	5000	1600	5000	nar en antier an antier a chair an tha an an an an an an an an an an an an an
n-Butylbenzene	ND	ug/L	5000	930	3500	anne an an an an an an an an an an an an an
sec-Butylbenzene	ND	ug/L	5000	/90	2600	
tert-Butylbenzene	ND ND	<u>ug/L</u>	5000	700	2300	
Carbon letrachioride	ND	<u>ug/L</u>	5000	<u> </u>	2600	Martine Martine Martine State and a state and a state and a state and a state of the
Chloroothana	NU	ug/L	5000	000	3400	
Chloroform		<u>ug/L</u>	5000	3400	12000	
Chloromothane		ug/L	5000	610	2000	
2 Chlorotokiano			5000	620	2000	
4 Chlorotoluono		ug/L	5000	660	2100	an ann fan Mariana an Anna an A
Dibromochloromethane			5000	820	2200	ու ապատուց է ուղղումնեսնես մա հետեր է անի եղենք եղեք է ու տրորում է և է ուղղ է դարեսությո
1.2-Dibromo-3-Chloropronane	NP	ug/L	5000	1200	4200	annan an
1.2-Dibromoethane	<u></u> <u>ND</u>	ug/L	5000	810	2700	nin
Dibromomethane	ND	ug/L	5000	780	2900	al ha ana da ana a a an an an an an an an an an an
1.2-Dichlorobenzene	ND	ug/L	5000	630	2300	
1,3-Dichlorobenzene	ND	ug/L	5000	520	1700	an an an an an an an an an an an an an a
1,4-Dichlorobenzene	ND	ug/L	5000	970	3200	99999999 999999 William Africa America - America America - America America - Ame
Dichlorodifluoromethane	ND	ug/L	5000	770	2600	anganananan magama maré (éranan angar ér angananan angar angar ang t
1,1-Dichloroethane	ND	ug/L	5000	660	2200	n man ngangatan kanan di kanan kanan sa ka ana a anan ka yan anga
1,2-Dichloroethane	ND	ug/L	5000	660	2200	
1,1-Dichloroethene	ND	ug/Ľ	5000	1200	4400	
cis-1,2-Dichloroethene	6800	ug/L	5000	660	2200	A ANTINIA ANTINA ANTINA ANTIN'A ANTIN'NY FIANA ANTIN'NY FIANA
trans-1,2-Dichloroethene	ND	ug/L	5000 ·	540	1800	
1,2-Dichloropropane	ND	ug/L	5000	630	2100	
1,3-Dichloropropane	ND	ug/L	5000	740	2500	
2,2-Dichloropropane	ND	ug/L	5000	820	2700	
1,1-Dichloropropene	ND	ug/L	5000	860	2900	unsussaus augus tu tu tutu augus augus augus augus augus augus augus augus augus augus augus augus augus augus
cis-1,3-Dichloropropene	ND	ug/L	5000	1000	3900	n a na a an an an an an an an an an an a
trans-1,3-Dichloropropene	ND	ug/L	5000	730	2400	
	ND	ug/L	5000	710	2300	
Hexachiorobutadiene	ND	ug/L	5000	1200	4400	
Isopropyibenzene	ND	ug/L	5000	610	2000	· · · · · · · · · · · · · · · · · · ·
p-isopropyitoluene	ND	ug/L	5000	580	1900	
Northplana	ND	ug/L	5000	520	1/00	
naprinalene		ug/L	5000	850	3000	
n-riopyibenzene	ND		5000	830	2800	All fill fill a fill generation of the second s
Styrene			5000	700	2200	
1 1 2-Tetrachloroethane		ug/L	5000	820	2300	
1122-Tetrachloroethane			5000	1000	3300	
Tetrachloroethene	34000	<u>ug/c</u>	5000	670	2200	Ne
	00070	<u></u>		~ ~ ~	2200	

ΔΝΔΙ ΥΤΙΟΔΙ Ι	RESULTS: VOC's	V FPA 82	60 - Water - (Saturn 2)				Page 8 of 18
Customer: NewFields Companies LLC	NLS Project: 8649	4	(
Project Description: Thomas Et Atkinson		-						
Project Description. Thomas I t. Attinson	Tomalator CATO		4. 40/20/2004	00.44			ļ	
Project litle: 0451-002	Template: SATZ	v Printe	a: 12/30/2004	09:14				
Sample: 358937 MW-3	Collected: 1	2/16/04	Analyzed: 1	2/28/04 -	<u>,</u>		····	
ANALYTE NAME		RESULT	UNITS	DIL	LOD	LOQ		
1,2,3-Trichlorobenzene		ND	ug/L	5000	870	3200		
1,2,4-Trichlorobenzene		ND	ug/L	5000	530	1900		
1,1,1-Trichloroethane		ND	ug/L	5000	720	2400		
1,1,2-Trichloroethane		ND	ug/L	5000	690	2300		
Trichloroethene		17000	ug/L	5000	590	1900		
Trichlorofluoromethane		ND	ug/L	5000	730	2400		
1,2,3-Trichloropropane		ND	ug/L	5000	1100	3800		
1,2,4-Trimethylbenzene		ND	ug/L	5000	720	2400		
1.3.5-Trimethylbenzene		ND	ug/L	5000	610	2000	angana ang kang ang ang akin dini a kang a kin kin kang a	
Vinyl chloride		ND	ug/L	5000	820	3000		
meta.para-Xylene		ND	ug/L	5000	1300	4400		
MTBE		ND	ug/L	5000	720	2400		
Isopropyl ether		ND	ug/L	5000	670	2200		
Dibromofluoromethane (SURR**)		102%						
Toluene-d8 (SURR**)		105%	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -					
1-Bromo-4-Fluorobenzene (SURR**)		100%					ng	

ANALYTIC Customer: NewFields Companies LLC Project Description: Thomas Ft. Atkins	AL RESULTS: VOC's by EPA 82 NLS Project: 86494 Son	60 - Water - (Saturn 2)			Page 9 of 18
Sample: 358938 MW-4	Collected: 12/16/04	Analyzed: 1	2/28/04 -			
	DESIII T		DII		100	
	RESULI ND		500	59	100	
Benzene			500	<u> </u>	210	
Bromochloromethane	ND		500	55	180	
Bromodichloromethane	ND	ug/L	500	95	350	
Bromoform	ND	ug/L	500	51	170	n (na se sen entre allere que parte parte allere entre annu annu annu annu annu annu annu ann
Bromomethane	· ND	ua/L	500	160	500	
n-Butvibenzene	ND	ua/L	500	93	350	an Marina and Antoine and Antoine Antoine and A
sec-Butylbenzene	ND	ua/L	500	79	260	an the state of the design of the second second second second second second second second second second second
ert-Butvibenzene	ND	ug/L	500	70	230	annannann man - annannan a staat annan a staat annan a staat annan a staat a staat a staat a staat
Carbon Tetrachloride	ND	ug/L	500	77	260	ann an an an an an an an an an an an an
Chlorobenzene	ND	ug/L	500	95	340	an manga - gara (a jagga a - di din di nda antana mana antana di nda di nda di nda di nda di nda di nda di nda
Chloroethane	ND	ug/L	500	340	1200	
Chloroform	ND	ug/L	500	61	200	
Chloromethane	ND	ug/L	500	61	200	
2-Chlorotoluene	ND	ug/L	500	63	210	
-Chlorotoluene	ND	ug/L	500	66	220	
Dibromochloromethane	ND	ug/L	500	82	270	
,2-Dibromo-3-Chloropropane	ND	ug/L	500	120	420	
,2-Dibromoethane	ND	ug/L	500	81	270	
Dibromomethane	ND	ug/L	500	78	290	
,2-Dichlorobenzene	<u>ND</u>	ug/L	500	63	230	an an an an an an an an an an an an an a
,3-Dichlorobenzene	ND	ug/L	500	52	170	
,4-Dichlorobenzene	ND	ug/L	500	97	320	
Dichlorodifluoromethane	ND	ug/L	500		260	ակությունը է դարող ապալություն հԱՅԱ-ԱՅԱՆԱՆԱՆԱՆ ավետում հայտնում հավետ գրվ հայություրը՝ դարում է դարո
,1-Dichloroethane	ND	ug/L	500	66	220	an ad the for the first first first and a second second second second second second second second second second
,2-Dichloroethane	ND	Ug/L	500	66	220	
,1-Dichloroethene		ug/∟	500	120	440	ar an an an an an an an an an an an an an
as-1,2-Dichloroethene		ug/L	500	<u> </u>	220	
		ug/L	500	<u> </u>	100	
			500	7/	210	
2-Dichloropropane		ug/L	500	82	200	
1-Dichloropropene		ug/L ug/l	500	86	210	nen marten (n. 1919). Marten (m. 1919). Marten (m. 1919). Marten (m. 1919). Marten (m. 1919). (m. 1919).
is-1 3-Dichloropropene	טאו חוא	ug/L ug/l	500	100	200	
rane-1 3-Dichloropropene		ug/L ug/l	500	73	240	
thylbenzene		ug/L ug/l	500	73	230	
-uniocitzene lexachlorobutadiene		<u>ug/c</u>	500	120	<u>200</u> 	
sonronvlbenzene		<u>ug/t</u>	500	61	200	
-Isopropyltojuene		ua/L	500	58	190	
Aethylene chloride	ND ND	<u>u</u> g/L	500	52	170	
laphthalene	ND	ua/L	500	82	300	
-Propylbenzene	ND	ua/L	500	85	280	i
prtho-Xvlene	ND	ua/L	500	67	220	
Styrene	ND	ua/L	500	70	230	na alaman na ga ang ang ang ang ang ang ang ang
.1.1.2-Tetrachloroethane	ND	ua/L	500	82	270	Control control control and an experimentation of the second states of the second states of the second state of the second states of the second stat states of the second states states tates of th
1.1.2.2-Tetrachloroethane	ND	ua/L	500	100	330	
Fetrachloroethene	2500	ug/L	500	67	220	
Foluene	 ND	ug/l	500	100	390	

ANALYTICAL	RESULTS: VOC's by EPA 82	60 - Water - (Saturn 2)			Page 10	of 18
Customer: NewFields Companies LLC	NLS Project: 86494					_	
Project Description: Thomas Et Atkinso	n						
Project Description. Thomas Ft. Atkinso	Tommlatas CATOM Drimta	4. 40/20/2004	00.44			!	
Project litle: 0451-002	Template: SATZW Printe	a: 12/30/2004	09:14				
Sample: 358938 MW-4	Collected: 12/16/04	Analyzed: 1	2/28/04 -			<u></u>	
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	:	
1,2,3-Trichlorobenzene	ND	ug/L	500	87	320		
1,2,4-Trichlorobenzene	ND	ug/L	500	53	190		
1,1,1-Trichloroethane	ND	ug/L	500	72	240		
1,1,2-Trichloroethane	ND	ug/L	500	69	230		
Trichloroethene	10000	ug/L	500	59	190		
Trichlorofluoromethane	ND	ug/Ľ	500	73	240		
1,2,3-Trichloropropane	ND	ug/L	500	110	380		
1,2,4-Trimethylbenzene	ND	ug/L	500	72	240		
1,3,5-Trimethylbenzene	ND	ug/L	500	61	200		
Vinyl chloride	ND	ug/L	500	82	300		
meta,para-Xylene	ND	ug/L	500	130	440		
MTBE	ND	ug/L	500	72	240		
Isopropyl ether	ND	ug/L	500	67	220		
Dibromofluoromethane (SURR**)	100%						
Toluene-d8 (SURR**)	96%						
1-Bromo-4-Fluorobenzene (SURR**)	92%						

ANALYTICAL Customer: NewFields Companies LLC Project Description: Thomas Ft. Atkinso	RESULTS: VOC's by EPA 826 NLS Project: 86494 n	0 - Water - (\$	Saturn 2)			Page 11 of 18
Project Title: 0451-002	Template: SAT2W Printed	: 12/30/2004	09:14			
Sample: 358939 MVV-4A	Conected: 12/16/04	Analyzed:	12/26/04 -			
	RESULT	UNITS	DIL	LOD	LOQ	
Benzene	6.0	ug/L	1	0.12	0.38	
Bromobenzene	ND	ug/L	1	0.13	0.42	
Bromocniorometnane		ug/L	1	0.11	0.37	
Bromodichioromethane			1	0.19	0.70	
Bromomothano		<u>ug/L</u>		0.10	1.04	
n Rutybonzono		ug/L		0.32	0.70	
n-butylbenzene			1	0.19	0.70	111 11111 1111111111111111111111111111
tert Rutylbenzene	ND	ug/L	1	0.10	0.32	
Carbon Tetrachloride		<u>ug/L</u>	1	0.14	0.47	and a second second second second second second second second second second second second second second second
Chlorobenzene			1	0.13	0.51	Name - 1-11-1-14, co. 4-1, co. 4-1, and co. 4-1, and co. 4-1, and co. 4-1, and co. 4-1, and co. 4-1, and co. 4-
Chloroethano	ND	ug/L	1	0.15	2.5	
Chloroform		ug/L	1	0.00	0.41	
Chloromethane	ND	ug/L	1	0.12	0.41	
2-Chlorotoluene	ND		1	0.12	0.41	
4-Chlorotoluene		ug/L	1	0.10	0.42	Malforman annunga bankanananan 👘 bilka sanakanananan ata asara ya akanga sa ya ya ya ya ya ya ya
Dibromochloromethane	ND	<u>ug/L</u>		0.10	0.55	The second second second second second second second second second second second second
1 2-Dibromo-3-Chloropropane	ND	<u>ug/l</u>	1	0.25	0.00	
1.2-Dibromoethane	ND	ug/L	1	0.16	0.54	
Dibromomethane	ND	ug/L	1	0.16	0.57	NAME OF COMPANY AND A DESCRIPTION OF COMPANY AND A DESCRIPTION OF COMPANY AND A DESCRIPTION OF COMPANY AND A DE
1.2-Dichlorobenzene	ND	ua/L	1	0.13	0.46	a na ana ana ana ana ana ana ana ana an
1.3-Dichlorobenzene	ND	ua/L	1	0.10	0.34	1999 - 1999 A. C. Martin Manufata Androide Matanian Anna Anna an an anna ann an an an an an an an
1.4-Dichlorobenzene	ND	ua/L	1	0.19	0.64	
Dichlorodifluoromethane	[0.49]	ug/L	1	0.15	0.51	n n 10000) (10000) (1000) (
1,1-Dichloroethane	ND	ug/L	1	0.13	0.44	
1,2-Dichloroethane	ND	ug/L	1	0.13	0.44	Constant and the state of the s
1,1-Dichloroethene	ND	ug/L	1	0.24	0.88	NAMA AN AN AN AN AN AN AN AN AN AN AN AN AN
cis-1,2-Dichloroethene	0.89	ug/L	1	0.13	0.44	
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.36	anna an ann a mar a ann a' ann a' ann ann ann ann ann ann
1,2-Dichloropropane	ND	ug/L	1	0.13	0.42	
1,3-Dichloropropane	ND	ug/L	1	0.15	0.49	
2,2-Dichloropropane	ND	ug/L	1	0.16	0.55	
1,1-Dichloropropene	ND	ug/L	1	0.17	0.57	
cis-1,3-Dichloropropene	ND	ug/L	1	0.21	0.78	
trans-1,3-Dichloropropene	ND	ug/L	1	0.15	0.49	
Ethylbenzene	ND	ug/L	1	0.14	0.47	
Hexachlorobutadiene	ND	ug/L	1	0.23	0.88	
Isopropylbenzene	ND	ug/L	1	0.12	0.41	
p-Isopropyltoluene	ND	ug/L	1	0.12	0.39	
Methylene chloride	ND	ug/L	1	0.10	0.34	
Naphthalene	ND	ug/L	1	0.16	0.60	
n-Propylbenzene	ND	ug/L	1	0.17	0.56	
ortho-Xylene	ND	ug/L	1	0.13	0.44	
Styrene	ND	ug/L	1	0.14	0.47	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.16	0.55	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.20	0.67	-
letrachloroethene	7.1	ug/L	1	0.13	0.45	
Toluene	[0.25]	ug/L	1	0.20	0.77	



ANALYTIC Customer: NewFields Companies LLC Project Description: Thomas Ft. Atkins Project Title: 0451-002	AL RESULTS: VOC's by EPA 826 NLS Project: 86494 son Template: SAT2W Printed	0 - Water - (: 12/30/2004	Saturn 2))			Page 12 of 18
Sample: 358939 MW-4A	Collected: 12/16/04	Analyzed:	12/28/04	-			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	:	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.17	0.64		The art of the bolice control of
1,2,4-Trichlorobenzene		ug/L	1	0.11	0.37		
1,1,1-Trichloroethane	ND	ug/L	1	0.14	0.48		
1,1,2-Trichloroethane	ND	ug/L	1	0.14	0.46		
Trichloroethene	23	ug/L	2	0.23	0.78	į	
Trichlorofluoromethane	ND	ug/L	1	0.15	0.49		
1,2,3-Trichloropropane	ND ND	ug/L	1	0.23	0.76		
1,2,4-Trimethylbenzene	. ND	ug/L	1	0.14	0.48		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.12	0.41		
Vinyl chloride	ND	ug/L	1	0.16	0.61		
meta,para-Xylene	a tha ND	ug/L	1	0.26	0.88		
МТВЕ	ND .	ug/L	1	0.14	0.48	:	
Isopropyl ether	ND .	ug/L	1	0.13	0.45	1	
Dibromofluoromethane (SURR**)	98%						•
Toluene-d8 (SURR**)	101%						
1-Bromo-4-Fluorobenzene (SURR**)	96%						

Project rule: Userplate: DALW Primter: D2/000 Sample: 358840 MV-5 Collected: 12/16/04 Analyzed: 12/26/04 ANALYTE NAME REGULT UNTS DL LOD LOO Bernzne ND ug/t 1 0.13 0.42 Bromodicromelhane ND ug/t 1 0.10 0.34 Bromodicromelhane ND ug/t 1 0.10 0.34 Bromodicromelhane ND ug/t 1 0.16 0.34 Bromodicromelhane ND ug/t 1 0.16 0.52 Bromodicromelhane ND ug/t 1 0.16 0.52 Cation Tetracholde ND ug/t 1 0.16 0.52 Chicotobarea ND ug/t 1 0.16 0.47 Cation Tetracholde ND ug/t 1 0.16 0.42 Chicotobarea ND ug/t 1 0.16	ANALYTICAL Customer: NewFields Companies LLC Project Description: Thomas Ft. Atkinson	Page 13 of 18					
ANALYTE NAME RESULT UNITS Dil. LOD Banzeria ND ug/L 1 0.12 0.49 Banzeria ND ug/L 1 0.12 0.49 Bromachioranethane ND ug/L 1 0.13 0.42 Bromachioranethane ND ug/L 1 0.13 0.42 Bromachioranethane ND ug/L 1 0.10 0.34 Bromachina ND ug/L 1 0.19 0.70 see-Butyblenzene ND ug/L 1 0.16 0.52 Chioronethane ND ug/L 1 0.16 0.67 Chioronethane ND ug/L 1 0.16 0.67 Chioronethane ND ug/L 1 0.13 0.42 Chioronethane ND ug/L 1 0.13 0.42 Chioronethane ND ug/L 1 0.13 0.44 2-Chiorobarene	Sample: 358940 MW-5	Collected: 12/16/04	Analyzed: 12	2/28/04 -			·
Detrona ND U0 U1 U1 U3 U3 Bromacharomethane ND Uq/L 1 0.13 0.42 Bromacharomethane ND Uq/L 1 0.11 0.37 Bromacharomethane ND Uq/L 1 0.10 0.34 Bromacharomethane ND Ug/L 1 0.32 1.0 Predictive ND Ug/L 1 0.19 0.70 Sec Buylberzene ND Ug/L 1 0.16 0.52 Cathor Tetrakolided ND Ug/L 1 0.16 0.56 Choromethane ND Ug/L 1 0.18 0.64 Choromethane ND Ug/L 1 0.12 0.41 Choromethane ND Ug/L 1 0.13 0.44 Choromethane ND Ug/L 1 0.13 0.44 Choromethane ND Ug/L 1 0.13 0.44 <		RESULT	LINITS	וומ		100	
Bromechangemethane ND ugL 1 0.13 0.42 Bromechangemethane ND ugL 1 0.13 0.42 Bromechangemethane ND ugL 1 0.19 0.70 Bromechangemethane ND ugL 1 0.19 0.70 Bromechangemethane ND ugL 1 0.19 0.70 sec-Butybenzene ND ugL 1 0.16 0.52 sec-Butybenzene ND ugL 1 0.16 0.52 Chicobenzene ND ugL 1 0.16 0.52 Chicobenzene ND ugL 1 0.16 0.52 Chicobenzene ND ugL 1 0.16 0.51 Chicobenzene ND ugL 1 0.16 0.51 Chicobenzene ND ugL 1 0.16 0.55 Lobotoconsethane ND ugL 1 0.16 0.54	Renzana	ND		1	0.12	0.38	
Democh/comethane ND ug/L 1 0.11 0.37 Bromodch/oromethane ND ug/L 1 0.10 0.34 Bromodch/oromethane ND ug/L 1 0.22 1.0 Bromotentane ND ug/L 1 0.23 1.0 Pettylbenzene ND ug/L 1 0.16 0.52 Carbon Testschorde ND ug/L 1 0.14 0.47 Carbon Testschorde ND ug/L 1 0.12 0.41 Chorobenzene ND ug/L 1 0.12 0.41 Chorobenzene ND ug/L 1 0.12 0.41 Chorobenzene ND ug/L 1 0.13 0.42 Chorobenzene ND ug/L 1 0.13 0.42 Chorobenzene ND ug/L 1 0.16 0.55 Lobroncoltorene ND ug/L 1 0.16 0.57	Bromobenzene	ND	<u>ug/L</u>	1	0.12	0.42	
Biromodichioromethane ND ug/L 1 0.19 0.70 Bromodorn ND ug/L 1 0.10 0.34 Bromomethane ND ug/L 1 0.10 0.34 Bromotenane ND ug/L 1 0.16 0.52 sec-Butybenzene ND ug/L 1 0.16 0.52 Carbon Tetrachloride ND ug/L 1 0.16 0.52 Chiorobenzene ND ug/L 1 0.16 0.52 Chiorobenzene ND ug/L 1 0.16 0.54 Chiorobenzene ND ug/L 1 0.13 0.44 Chiorobenzene ND ug/L 1 0.16 0.57 L'2-Dioromethane ND ug/L 1 0.16 0.57 L'2-Dioromethane ND ug/L 1 0.16 0.57 L'2-Dioromethane ND ug/L 1 0.16 0.57	Bromochloromethane	ND	ua/L	1	0.11	0.37	
Ibromore manual matrix ND Ug/L 1 0.10 0.34 Dromore thana ND Ug/L 1 0.13 0.70 n-Butylbenzene ND Ug/L 1 0.16 0.52 cs-Butybenzene ND Ug/L 1 0.16 0.52 carbon Fetarchinde ND Ug/L 1 0.16 0.52 Chiorobenzene ND Ug/L 1 0.16 0.52 Chiorobenzene ND Ug/L 1 0.16 0.52 Chiorobenzene ND Ug/L 1 0.16 0.51 Chiorobenzene ND Ug/L 1 0.12 0.41 Chiorobenzene ND Ug/L 1 0.13 0.42 2-Chiorobenzene ND Ug/L 1 0.16 0.57 2-Chiorobenzene ND Ug/L 0.16 0.57 1_2-Dichorobenzene ND Ug/L 0.16 0.57 1_2-Dichorobenzene <td>Bromodichloromethane</td> <td>ND</td> <td>ug/L</td> <td>1</td> <td>0.19</td> <td>0.70</td> <td></td>	Bromodichloromethane	ND	ug/L	1	0.19	0.70	
Bromomethane ND Ug/L 1 0.32 1.0 Bulybenzene ND Ug/L 1 0.19 0.70 sec-Bulybenzene ND Ug/L 1 0.16 0.52 Ert-Bulybenzene ND Ug/L 1 0.16 0.52 Carbon Tetrachloride ND Ug/L 1 0.15 0.51 Chorobenzene ND Ug/L 1 0.16 0.52 Chlorobentane ND Ug/L 1 0.16 0.54 Chlorobromethane ND Ug/L 1 0.13 0.42 Chlorobromethane ND Ug/L 1 0.16 0.55 1.2-Diornos-3-Chloropropane ND Ug/L 1 0.16 0.54 Dibromomethane ND Ug/L 1 0.16 0.54 Dibromomethane ND Ug/L 1 0.16 0.54 Dibromomethane ND Ug/L 1 0.16 0.54	Bromoform	ND	ug/L	1	0.10	0.34	
In-Butybenzene ND ugl. 1 0.19 0.70 ser-Butybenzene ND ugl. 1 0.16 0.52 tert-Butybenzene ND ugl. 1 0.16 0.52 tert-Butybenzene ND ugl. 1 0.15 0.51 Chiorobenzene ND ugl. 1 0.68 2.5 Chiorobenzene ND ugl. 1 0.12 0.41 Chiorobenzene ND ugl. 1 0.12 0.41 Chiorobenzene ND ugl. 1 0.13 0.42 2-Chioroburene ND ugl. 1 0.16 0.55 1.2-Diorono-Chioromehane ND ugl. 1 0.16 0.54 1.2-Diorono-Chioromepane ND ugl. 1 0.16 0.57 1.2-Diorono-Chioromepane ND ugl. 1 0.16 0.51 1.2-Diorono-Chioromephane ND ugl. 1 0.16	Bromomethane	ND	ug/L	1	0.32	1.0	An an friend all constants and a second and a second and a second s
Sec.Exploybenzene ND ug/L 1 0.16 0.52 Carbon Tetrachloride ND ug/L 1 0.14 0.47 Carbon Tetrachloride ND ug/L 1 0.19 0.68 Chlorobenzene ND ug/L 1 0.19 0.68 Chlorobentane ND ug/L 1 0.12 0.41 Chlorobentane ND ug/L 1 0.12 0.41 Chlorobentane ND ug/L 1 0.13 0.42 Chlorobentane ND ug/L 1 0.16 0.55 1.2.Dibromo-3c-Chloropropane ND ug/L 1 0.16 0.54 Dibromothane ND ug/L 1 0.16 0.54 J.2.Dibronobazene ND ug/L 1 0.16 0.54 J.2.Dibronobazene ND ug/L 1 0.16 0.54 J.2.Dibronobazene ND ug/L 1 0.16 0.44<	n-Butylbenzene	ND	ug/L	1	0.19	0.70	
Inter-Burghem ND ugL 1 0.14 0.47 Carbon Fetracholoide ND ugL 1 0.15 0.51 Chlorobenzene ND ugL 1 0.16 0.55 Chlorobenzene ND ugL 1 0.12 0.41 Chlorobenzene ND ugL 1 0.12 0.41 Chlorobenzene ND ugL 1 0.13 0.42 Chlorobenzene ND ugL 1 0.16 0.55 2-Chlorobenzene ND ugL 1 0.16 0.55 1.2-Dibromochloromethane ND ugL 1 0.16 0.54 Dibromoethane ND ugL 1 0.16 0.54 1.2-Dichlorobenzene ND ugL 1 0.16 0.54 1.2-Dichlorobenzene ND ugL 1 0.16 0.54 1.2-Dichlorobenzene ND ugL 1 0.16 0.55	sec-Butylbenzene	ND	ug/L	1	0.16	0.52	
Carbon Tetrachloride ND ug/L 1 0.15 0.51 Chlorobenane ND ug/L 1 0.68 2.5 Chlorobernane ND ug/L 1 0.12 0.41 Chlorobernane ND ug/L 1 0.12 0.41 Chloroblerne ND ug/L 1 0.13 0.42 Chloroblerne ND ug/L 1 0.13 0.44 Chloroblerne ND ug/L 1 0.16 0.55 L2Dibromochloromethane ND ug/L 1 0.16 0.54 Dibromochloromethane ND ug/L 1 0.16 0.57 L2Dibromochloromethane ND ug/L 1 0.16 0.57 L2Dibromochloromethane ND ug/L 1 0.16 0.57 L2Dibromochloromethane ND ug/L 1 0.16 0.55 L2Dichlorobenzene ND ug/L 1 0.16	tert-Butylbenzene	ND	ug/L	1	0.14	0.47	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Carbon Tetrachloride	ND	ug/L	1	0.15	0.51	
Chicrosethane ND ug/L 1 0.68 2.5 Chicroform ND ug/L 1 0.12 0.41 Chicrotoluene ND ug/L 1 0.12 0.41 2-Chicrotoluene ND ug/L 1 0.13 0.42 4-Chicrotoluene ND ug/L 1 0.16 0.55 1.2-Dibromo-3-Chicropropane ND ug/L 1 0.16 0.54 1.2-Dibromo-3-Chicropropane ND ug/L 1 0.16 0.57 1.2-Dibromo-3-Chicropropane ND ug/L 1 0.16 0.57 1.2-Dichicrobenzene ND ug/L 1 0.16 0.57 1.2-Dichicrobenzene ND ug/L 1 0.13 0.44 1.3-Dichicrobenzene ND ug/L 1 0.16 0.51 1.4-Dichicrobenzene ND ug/L 1 0.13 0.44 1.2-Dichicropethane ND ug/L 1 <td< td=""><td>Chlorobenzene</td><td>· ND</td><td>ug/L</td><td>1</td><td>0.19</td><td>0.68</td><td></td></td<>	Chlorobenzene	· ND	ug/L	1	0.19	0.68	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Chloroethane	ND	ug/L	1	0.68	2.5	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Chioroform	ND	ug/L	1	0.12	0.41	
2-Chiorotoluene ND ug/L 1 0.13 0.42 A-Chiorotoluene ND ug/L 1 0.13 0.44 Dibromochloromethane ND ug/L 1 0.25 0.83 12-Dibromo-S-Chioropopane ND ug/L 1 0.16 0.55 12-Dibromoethane ND ug/L 1 0.16 0.54 Dibromoethane ND ug/L 1 0.16 0.57 1,2-Dichorobenzene ND ug/L 1 0.16 0.57 1,2-Dichorobenzene ND ug/L 1 0.16 0.57 1,3-Dichorobenzene ND ug/L 1 0.16 0.54 1,2-Dichoroethane ND ug/L 1 0.13 0.44 1,2-Dichoroethane ND ug/L 1 0.13 0.44 1,2-Dichoroethane ND ug/L 1 0.13 0.44 1,2-Dichoroethane ND ug/L 1 0.13	Chloromethane	ND	ug/L	1	0.12	0.41	
4-Chlorotoluene ND ug/L 1 0.13 0.44 Dibromochoromethane ND ug/L 1 0.16 0.55 12-Dibromo-3-Chloropropane ND ug/L 1 0.16 0.54 12-Dibromoethane ND ug/L 1 0.16 0.57 12-Dichorobenzene ND ug/L 1 0.13 0.46 1.3-Dichiorobenzene ND ug/L 1 0.10 0.34 1.4-Dichorobenzene ND ug/L 1 0.13 0.44 1.3-Dichiorobenzene ND ug/L 1 0.13 0.44 1.2-Dichoroethane (0.21) ug/L 1 0.13 0.44 1.2-Dichoroethane ND ug/L 1 0.13 0.44 1.3-Dichoroethane ND ug/L 1 <t< td=""><td>2-Chiorotoluene</td><td>ND</td><td>ug/L</td><td>1</td><td>0.13</td><td>0.42</td><td></td></t<>	2-Chiorotoluene	ND	ug/L	1	0.13	0.42	
Dibromochloromethane ND ug/L 1 0.16 0.55 12-Dibromos-3-Chloropopane ND ug/L 1 0.25 0.83 12-Dibromosthane ND ug/L 1 0.16 0.54 Dibromomethane ND ug/L 1 0.16 0.57 1.2-Dickinobenzene ND ug/L 1 0.13 0.46 1.4-Dickinobenzene ND ug/L 1 0.19 0.64 1.1-Dickinobenzene ND ug/L 1 0.13 0.44 1.2-Dickinobenzene ND ug/L 1 0.13 0.44 1.2-Dickinobenzene ND ug/L 1 0.13 0.44 1.2-Dickinobethane ND ug/L 1 0.13 0.44 1.2-Dickinopropane ND ug/L 1 0.13 0.42 1.3-Dickinopropane ND ug/L 1 0.13 0.42 1.2-Dickinopropane ND ug/L 1 0	4-Chlorotoluene	ND	ug/L	1	0.13	0.44	
1,2-Dibromo-3-Chloropropane ND ug/L 1 0.25 0.83 12-Dibromoethane ND ug/L 1 0.16 0.54 Dibromomethane ND ug/L 1 0.16 0.54 Dibromomethane ND ug/L 1 0.16 0.57 1,2-Dichorobenzene ND ug/L 1 0.16 0.54 1,3-Dichorobenzene ND ug/L 1 0.16 0.54 Dichorodifuoromethane ND ug/L 1 0.175 0.51 1,1-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichoroethene ND ug/L 1 0.13 0.42 1,2-Dichoropthene ND ug/L 1 0.13 0.42 1,2-Dichoroptopane ND ug/L 1 0.16	Dibromochloromethane	ND	ug/L	1	0.16	0.55	
1,2-Dibromethane ND ug/L 1 0.16 0.54 1,2-Dichlorobenzene ND ug/L 1 0.13 0.46 1,3-Dichlorobenzene ND ug/L 1 0.13 0.46 1,4-Dichlorobenzene ND ug/L 1 0.10 0.34 1,4-Dichlorobenzene ND ug/L 1 0.15 0.51 Dichlorodfluoromethane ND ug/L 1 0.13 0.44 1,1-Dichloroethane ND ug/L 1 0.13 0.44 1,1-Dichloroethene ND ug/L 1 0.13 0.44 1,2-Dichloroethene [0.21] ug/L 1 0.13 0.44 1,2-Dichloroethene [0.21] ug/L 1 0.13 0.44 1,2-Dichloropropane ND ug/L 1 0.13 0.44 1,2-Dichloropropane ND ug/L 1 0.13 0.42 1,2-Dichloropropane ND ug/L 1 0.15 0.49 2,2-Dichloropropane ND ug/L 1	1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.25	0.83	
Dibromomethane ND ug/L 1 0.16 0.57 1,2-Dichlorobenzene ND ug/L 1 0.13 0.46 1,3-Dichlorobenzene ND ug/L 1 0.10 0.34 1,4-Dichlorobenzene ND ug/L 1 0.19 0.64 Dichlorodifluoromethane ND ug/L 1 0.13 0.44 1,1-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethene ND ug/L 1 0.13 0.44 1,2-Dichloropthene ND ug/L 1 0.13 0.42 1,2-Dichloropropane ND ug/L 1 0.15 0.49 1,2-Dichloropropane ND ug/L 1	1,2-Dibromoethane	ND	ug/L	1	0.16	0.54	
1,2-Dichlorobenzene ND ug/L 1 0.13 0.46 1,3-Dichlorobenzene ND ug/L 1 0.10 0.34 1,4-Dichlorobenzene ND ug/L 1 0.15 0.51 Dichlorodifluoromethane ND ug/L 1 0.13 0.44 1,1-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethane ND ug/L 1 0.13 0.44 1,1-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethene [0.21] ug/L 1 0.13 0.44 (z-Dichloroptopane ND ug/L 1 0.13 0.42 1,2-Dichloropropane ND ug/L 1 0.15 0.49 2,2-Dichloropropane ND ug/L 1 0.16 0.55 1,1-Dichloropropane ND ug/L 1 0.17 0.57 2,2-Dichloropropene ND ug/L 1 0.14 0.47 1,3-Dichloropropene ND ug/L 1<	Dibromomethane	ND	ug/L	1	0.16	0.57	
1,3-Dichlorobenzene ND ug/L 1 0.10 0.34 1,4-Dichlorobenzene ND ug/L 1 0.19 0.64 Dichlorodifluoromethane ND ug/L 1 0.15 0.51 1,1-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethane ND ug/L 1 0.13 0.44 (s-1,2-Dichloroethane [0.21] ug/L 1 0.13 0.44 1,2-Dichloroethane [0.21] ug/L 1 0.13 0.44 1,2-Dichloropropane ND ug/L 1 0.13 0.44 1,2-Dichloropropane ND ug/L 1 0.13 0.42 1,2-Dichloropropane ND ug/L 1 0.15 0.49 2,2-Dichloropropane ND ug/L 1 0.16 0.55 1,1-Dichloropropane ND ug/L	1,2-Dichlorobenzene	ND	ug/L	1	0.13	0.46	NUM INTO ANTONIA ANT ANTONIA MANAGEMAA ANTALAANA ANTALAANA ANTALAANA ANTALAANA
1,4-Dichlorobenzene ND ug/L 1 0.19 0.64 Dichlorodifluoromethane ND ug/L 1 0.15 0.51 1,1-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethane ND ug/L 1 0.13 0.44 1,1-Dichloroethene ND ug/L 1 0.13 0.44 cis-1,2-Dichloroethene [0.21] ug/L 1 0.13 0.44 1,2-Dichloroethene [0.21] ug/L 1 0.13 0.44 1,2-Dichloroptopane ND ug/L 1 0.13 0.44 1,2-Dichloroptopane ND ug/L 1 0.15 0.49 1,2-Dichloroptopane ND ug/L 1 0.15 0.49 2,2-Dichloroptopane ND ug/L 1 0.16 0.55 1,1-Dichloroptopene ND ug/L 1 0.17 0.57 cis-1,3-Dichloroptopene ND ug/L 1 0.21 0.78 ttmss-1,3-Dichloroptopene ND ug/L	1,3-Dichlorobenzene	ND	ug/L	1	0.10	0.34	
Dichlorodifiuoromethane ND Ug/L 1 0.15 0.51 1,1-Dichloroethane ND ug/L 1 0.13 0.44 1,2-Dichloroethane ND ug/L 1 0.13 0.44 1,1-Dichloroethane ND ug/L 1 0.24 0.88 cis-1,2-Dichloroethene (0.21) ug/L 1 0.13 0.44 trans-1,2-Dichloroethene (0.21) ug/L 1 0.13 0.44 1,3-Dichloropthene ND ug/L 1 0.13 0.44 1,3-Dichloroptopane ND ug/L 1 0.13 0.42 1,3-Dichloroptopane ND ug/L 1 0.15 0.49 2,2-Dichloroptopane ND ug/L 1 0.16 0.55 1,1-Dichloroptopene ND ug/L 1 0.17 0.57 cis-1,3-Dichloroptopene ND ug/L 1 0.14 0.47 trans-1,3-Dichloroptopene ND ug/L <td>1,4-Dichlorobenzene</td> <td>ND</td> <td>ug/L</td> <td>1</td> <td>0.19</td> <td>0.64</td> <td>and a free over the lattice of the lattice is a statement operator of the lattice of</td>	1,4-Dichlorobenzene	ND	ug/L	1	0.19	0.64	and a free over the lattice of the lattice is a statement operator of the lattice of
ND Ug/L 1 0.13 0.44 1,2-Dichloroethane ND ug/L 1 0.13 0.44 1,1-Dichloroethane ND ug/L 1 0.13 0.44 1,1-Dichloroethene [0.21] ug/L 1 0.13 0.44 1,2-Dichloroethene [0.21] ug/L 1 0.13 0.44 1,2-Dichloroethene ND ug/L 1 0.13 0.44 1,2-Dichloroptopane ND ug/L 1 0.13 0.42 1,3-Dichloroptopane ND ug/L 1 0.15 0.49 2,2-Dichloroptopane ND ug/L 1 0.16 0.55 1,1-Dichloroptopene ND ug/L 1 0.17 0.57 cis-1,3-Dichloroptopene ND ug/L 1 0.14 0.47 trans-1,3-Dichloroptopene ND ug/L 1 0.14 0.47 trans-1,3-Dichloroptopene ND ug/L 1 0.12	Dichlorodifluoromethane	ND	ug/L	1	0.15	0.51	a haad daar da ayay aa aa ahaa yaa ahaa ahaa ahaa a
ND Ug/L 1 0.13 0.44 1.1-Dichloroethene ND ug/L 1 0.24 0.88 cis-1,2-Dichloroethene ND ug/L 1 0.13 0.44 trans-1,2-Dichloroethene ND ug/L 1 0.11 0.36 1,2-Dichloropropane ND ug/L 1 0.13 0.42 1,3-Dichloropropane ND ug/L 1 0.15 0.49 2,2-Dichloropropane ND ug/L 1 0.16 0.55 1,1-Dichloropropane ND ug/L 1 0.17 0.57 cis-1,3-Dichloropropene ND ug/L 1 0.16 0.55 1,1-Dichloropropene ND ug/L 1 0.17 0.57 cis-1,3-Dichloropropene ND ug/L 1 0.16 0.49 Ethylbenzene ND ug/L 1 0.14 0.47 Hexachlorobutadiene ND ug/L 1 0.12 0.49 Isopropylbenzene ND ug/L 1 0.12 <t< td=""><td>1,1-Dichloroethane</td><td>ND</td><td>Ug/L</td><td>1</td><td>0.13</td><td>0.44</td><td></td></t<>	1,1-Dichloroethane	ND	Ug/L	1	0.13	0.44	
In J- Dichloroethene ND Ug/L 1 0.24 0.63 cis-1,2-Dichloroethene [0.21] Ug/L 1 0.11 0.36 1,2-Dichloroethene ND ug/L 1 0.13 0.44 1,2-Dichloroethene ND ug/L 1 0.13 0.44 1,2-Dichloropropane ND ug/L 1 0.13 0.42 1,3-Dichloropropane ND ug/L 1 0.15 0.49 2,2-Dichloropropane ND ug/L 1 0.16 0.55 (is-1,3-Dichloropropene ND ug/L 1 0.17 0.57 cis-1,3-Dichloropropene ND ug/L 1 0.15 0.49 Ethylbenzene ND ug/L 1 0.15 0.49 Ethylbenzene ND ug/L 1 0.12 0.78 Isopropylbenzene ND ug/L 1 0.12 0.41 p-Isopropyltoluene ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L 1					0.13	0.44	
Cls-1,2-Dichloroberhene ID Ug/L 1 0.13 0.44 trans-1,2-Dichloropropane ND ug/L 1 0.11 0.36 1,2-Dichloropropane ND ug/L 1 0.15 0.49 1,3-Dichloropropane ND ug/L 1 0.16 0.55 1,1-Dichloropropane ND ug/L 1 0.17 0.57 (cis-1,3-Dichloropropene ND ug/L 1 0.15 0.49 (cis-1,3-Dichloropropene ND ug/L 1 0.17 0.57 (cis-1,3-Dichloropropene ND ug/L 1 0.15 0.49 trans-1,3-Dichloropropene ND ug/L 1 0.15 0.49 Ethylbenzene ND ug/L 1 0.15 0.49 Ethylbenzene ND ug/L 1 0.14 0.47 Hexachlorobutadiene ND ug/L 1 0.12 0.88 Isopropylbenzene ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L	1, 1-Dichloroethene		ug/է 	1	0.24	0.00	n fermining operation and a second second second second second second second second second
ND Ug/L 1 0.11 0.30 1,2-Dichloropropane ND ug/L 1 0.13 0.42 1,3-Dichloropropane ND ug/L 1 0.16 0.55 2,2-Dichloropropane ND ug/L 1 0.16 0.55 1,1-Dichloropropane ND ug/L 1 0.17 0.57 cis-1,3-Dichloropropene ND ug/L 1 0.15 0.49 trans-1,3-Dichloropropene ND ug/L 1 0.17 0.57 trans-1,3-Dichloropropene ND ug/L 1 0.14 0.49 Ethylbenzene ND ug/L 1 0.15 0.49 Ethylbenzene ND ug/L 1 0.16 0.47 Hexachlorobutadiene ND ug/L 1 0.12 0.41 lsopropylbenzene ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L 1 0.16 0.60 n-Propylbenzene ND ug/L 1 0.17 0.56	trana 1.2 Dichloroethana	[U.21] ND		1	0.13	0.44	
ND Ug/L 1 0.13 0.42 1,3-Dichloropropane ND ug/L 1 0.15 0.49 2,2-Dichloropropane ND ug/L 1 0.16 0.55 1,1-Dichloropropene ND ug/L 1 0.17 0.57 cis-1,3-Dichloropropene ND ug/L 1 0.15 0.49 trans-1,3-Dichloropropene ND ug/L 1 0.15 0.49 Ethylbenzene ND ug/L 1 0.14 0.47 Hexachlorobutadiene ND ug/L 1 0.12 0.88 Isopropylbenzene ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L 1 0.10 0.34 Naphthalene ND ug/L 1 0.16 0.60 n-Propylbenzene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44 </td <td>1 2 Dichlerenrenene</td> <td></td> <td></td> <td>1</td> <td>0.11</td> <td>0.30</td> <td>all ange Martin Allanda and Andrew Martin and Andrew Allanda and Andrew Andrew Andrew</td>	1 2 Dichlerenrenene			1	0.11	0.30	all ange Martin Allanda and Andrew Martin and Andrew Allanda and Andrew Andrew Andrew
ND Ug/L 1 0.13 0.49 2,2-Dichloropropane ND ug/L 1 0.16 0.55 1,1-Dichloropropene ND ug/L 1 0.17 0.57 cis-1,3-Dichloropropene ND ug/L 1 0.15 0.49 trans-1,3-Dichloropropene ND ug/L 1 0.15 0.49 Ethylbenzene ND ug/L 1 0.14 0.47 Hexachlorobutadiene ND ug/L 1 0.14 0.47 Isopropylbenzene ND ug/L 1 0.12 0.88 Isopropylbenzene ND ug/L 1 0.12 0.34 p-lsopropyltoluene ND ug/L 1 0.10 0.34 Naphthalene ND ug/L 1 0.16 0.60 n-Propylbenzene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44	1,2-Dichloropropane	ND ND	ug/L	4	0.15	0.42	
1,1-Dichloropropene ND ug/L 1 0.10 0.53 1,1-Dichloropropene ND ug/L 1 0.17 0.57 cis-1,3-Dichloropropene ND ug/L 1 0.21 0.78 trans-1,3-Dichloropropene ND ug/L 1 0.14 0.49 Ethylbenzene ND ug/L 1 0.12 0.49 Ethylbenzene ND ug/L 1 0.12 0.47 Hexachlorobutadiene ND ug/L 1 0.12 0.41 p-lsopropylbenzene ND ug/L 1 0.12 0.41 p-lsopropyltoluene ND ug/L 1 0.12 0.41 p-lsopropyltoluene ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L 1 0.16 0.60 n-Propylbenzene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44	2.2 Dichleropropane	ND			0.15	0.49	
ND Ug/L 1 0.17 0.37 cis-1,3-Dichloropropene ND ug/L 1 0.21 0.78 trans-1,3-Dichloropropene ND ug/L 1 0.15 0.49 Ethylbenzene ND ug/L 1 0.14 0.47 Hexachlorobutadiene ND ug/L 1 0.12 0.41 Isopropylbenzene ND ug/L 1 0.12 0.41 p-lsopropylbenzene ND ug/L 1 0.12 0.41 p-lsopropylbenzene ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L 1 0.10 0.34 Naphthalene ND ug/L 1 0.16 0.60 n-Propylbenzene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44	2,2-Dichloropropane		ug/L		0.10	0.55	
Cls+1,3-Dichlorophopene ND ug/L 1 0.21 0.76 trans-1,3-Dichlorophopene ND ug/L 1 0.15 0.49 Ethylbenzene ND ug/L 1 0.14 0.47 Hexachlorobutadiene ND ug/L 1 0.23 0.88 Isopropylbenzene ND ug/L 1 0.12 0.41 p-lsopropylbenzene ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L 1 0.10 0.34 Naphthalene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44	ris 1.2 Dichloropropopo	ND	ug/L	1	0.17	0.57	
ND Ug/L 1 0.13 0.43 Ethylbenzene ND ug/L 1 0.14 0.47 Hexachlorobutadiene ND ug/L 1 0.23 0.88 Isopropylbenzene ND ug/L 1 0.12 0.41 p-lsopropylbenzene ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L 1 0.10 0.34 Naphthalene ND ug/L 1 0.16 0.60 n-Propylbenzene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44	trans-1.3-Dichloropropene	ND		1	0.21	0.70	
ND Ug/L 1 0.47 Hexachlorobutadiene ND ug/L 1 0.23 0.87 Isopropylbenzene ND ug/L 1 0.12 0.41 p-lsopropylbulene ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L 1 0.10 0.34 Naphthalene ND ug/L 1 0.16 0.60 n-Propylbenzene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44	tians-1,3-Dichloropropene	ND	ug/L	1	0.13	0.49	nanger nammen men nammen alsenangen generalisen en användelistikkande i senan och e
ND Ug/L 1 0.12 0.00 Isopropylbenzene ND ug/L 1 0.12 0.41 p-lsopropylbenzene ND ug/L 1 0.12 0.39 0.00 Methylene chloride ND ug/L 1 0.10 0.34 0.41 Naphthalene ND ug/L 1 0.16 0.60 0.00 n-Propylbenzene ND ug/L 1 0.17 0.56 0.00 ortho-Xylene ND ug/L 1 0.13 0.44 0.47	Hexachlorobutadiene		ug/L	1	0.14	0.47	· · · · · · · · · · · · · · · · · · ·
ND ug/L 1 0.12 0.39 p-Isopropyltoluene ND ug/L 1 0.12 0.39 Methylene chloride ND ug/L 1 0.10 0.34 Naphthalene ND ug/L 1 0.16 0.60 n-Propylbenzene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44	Isonronylhenzene	ND	ug/L	1	0.12	0.00	
ND ug/L 1 0.12 0.03 Methylene chloride ND ug/L 1 0.10 0.34 Naphthalene ND ug/L 1 0.16 0.60 n-Propylbenzene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44	p-lsopropyltoluene		uo/l	1	0.12	0.39	
Naphthalene ND ug/L 1 0.16 0.60 n-Propylbenzene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44	Methylene chloride	ND	ug/L	1	0.10	0.34	
n-Propylbenzene ND ug/L 1 0.17 0.56 ortho-Xylene ND ug/L 1 0.13 0.44	Naphthalene	ND	ua/L	1	0.16	0.60	
ND ug/L 1 0.13 0.44 Vice ND ug/L 1 0.13 0.44	n-Propylbenzene	ND	uo/L	1	0.17	0.56	
	ortho-Xvlene	ND	ug/L	1	0.13	0.44	R 19 10 10 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Styrene ND UQ/L I U.14 U.47	Styrene	ND	ug/L	1	0.14	0.47	
1,1,1,2-Tetrachloroethane ND ug/L 1 0,16 0,55	1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.16	0.55	
1.1.2.2-Tetrachloroethane ND ug/L 1 0.20 0.67	1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.20	0.67	
Tetrachloroethene 2.3 ug/L 1 0.13 0.45	Tetrachloroethene	2.3	ug/L	1	0.13	0.45	:
Toluene ND ug/L 1 0.20 0.77	Toluene	ND	ug/L	1	0.20	0.77	

ANALYTIC/ Customer: NewFields Companies LLC Project Description: Thomas Ft. Atkins Project Title: 0451-002	AL RESULTS: VOC's by EPA 82 NLS Project: 86494 son Template: SAT2W Printe	260 - Water - (ed: 12/30/2004	Saturn 2) 09:14			!	Page 14 of 18
Sample: 358940 MW-5	Collected: 12/16/04	Analyzed: 1	2/28/04 -				
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	-	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.17	0.64		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.11	0.37	a affiridar mainteann daolar a la color na R-davina an afrida a na m	
1,1,1-Trichloroethane	ND	ug/L	1	0.14	0.48		
1,1,2-Trichloroethane	. ND	ug/L	1	0.14	0.46		
Trichloroethene	1.2	ug/L	1	0.12	0.39		
Trichlorofluoromethane	ND	ug/L	1	0.15	0.49		
1,2,3-Trichloropropane	ND	ug/L	1	0.23	0.76		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.14	0.48		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.12	0.41		
Vinyl chloride	ND	ug/L	1	0.16	0.61		
meta,para-Xylene	ND	ug/L	1	0.26	0.88		
MTBE	ND	ug/L	1	0.14	0.48		and a second sec
Isopropyl ether	ND	ug/L	1	0.13	0.45		
Dibromofluoromethane (SURR**)	102%						
Toluene-d8 (SURR**)	107%						
1-Bromo-4-Fluorobenzene (SURR**)	99%						

.....

Check standard recovery was outside QC limits for Bromomethane at 72%.

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ANALYT	ICAL RESULTS: VOC's by EPA 820	60 - Water -	(Saturn 2)	H			Page 15 of 18
Project Description: Thomas Et Atk	incon						
Project Description: Thomas Ft. Alk		1. 40/00/000	1 00.44				
Project Title: 0451-002	Template: SAT2W Printee	d: 12/30/200	4 09:14				
Sample: 358941 Dup-1	Collected: 12/16/04	Analyzed:	12/29/04 -				
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ		
Renzona	ND	ua/l	500	58	190	n an in ea a' anna an an an an an an an an an an an a	
Bromobenzene	ND	ug/L	500	64	210		
Bromochloromethane	ND	ua/L	500	55	180		arran (1997)
Bromodichloromethane	ND	ua/L	500	95	350		
Bromoform	ND	ua/L	500	51	170	· · · · · · · · · · · · · · · · · · ·	
Bromomethane	ND	ua/L	500	160	500		
Butylbenzene	ND	Ug/1	500	93	350		
ec-Rutylbenzene		ug/l	500	79	260	anno 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 an 11 a	
ert-Butylbenzene		ua/L	500	70	230		1 AM 41 - 10 - 10
arbon Tetrachloride		<u>ua/l</u>	500	77	260		
blorobenzene		<u>uq/l</u>	500	95	340		
hloroethane		<u> </u>	500	340	1200		
hloroform		<u></u>	500	61	200		
hloromethane		ug/L	500	61	200	1	
Chlorotoluono			500	63	200	1/10. (mil) d.m.,	
Chlorotoluono		uy/L ug/l	500	66	210	enseries and the constant of the second second second second second second second second second second second s	
		ug/L	500	00	220		
2 Dibromochioromethane		ug/L	500	120	270		
2 Dibromo-3-Chioroproparte	ND		500	120	420		
,2-Dibromoetnane	ND		500		270		
		ug/L	500	0	290	anna an an an an an an an an an an an an	
		ug/L	500	<u> </u>	230	(Sandranna andres - andres - a Martin de Martin de Angeles - angeles - angeles - angeles - angeles - angeles	
	ND	<u>ug/L</u>	500	<u> </u>	170		
A-Dichlorobenzene		ug/L	500	97	320		- pr
		ug/L	500		260		
	NU	ug/L	500	00	220	ukulikududa ana	
2-Dichloroethane	ND	ug/L	500	00	220		
1-Dichloroethene	. ND	ug/L	500	120	440	In the second second second second second second second second second second second second second second second	
is-1,2-Dichloroethene	NU	ug/L	500	66	220		
ans-1,2-Dichloroethene		ug/L	500	54	180		
,2-Dichloropropane	ND	ug/L	500	63	210		
3-Dichloropropane	ND	ug/L	500	74	250		
2-Dichloropropane	ND	ug/L	500	82	270		
,1-Dichloropropene	ND	ug/L	500	86	290		100m.1 t. million
s-1,3-Dichloropropene	ND	ug/L	500	100	390		
ans-1,3-Dichloropropene	ND	ug/L	500	73	240		
thylbenzene	ND	ug/L	500	71	230		
exachlorobutadiene	ND	ug/L	500	120	440		
opropylbenzene	ND	ug/L	500	61	200		
Isopropyltoluene	ND	ug/L	500	58	190		
ethylene chloride	ND	ug/L	500	52	170		
aphthalene	ND	ug/L	500	82	300		
Propylbenzene	ND	ug/L	500	85	280		
tho-Xvlene	ND	ua/L	500	67	220		
tvrene	ND	ua/L	500	70	230	· · · · · · · · · · · · · · · · · · ·	White and the second second second second second second second second second second second second second second
.1.1.2-Tetrachloroethane	. ND	uo/L	500	82	270		
1.2.2-Tetrachloroethane	ND	ua/L	500	100	330	· · · · · · · · · · · · · · · · · · ·	
etrachloroethene	2300	ua/L	500	67	220	· · · · · · · · · · · · · · · · · · ·	
	2000				~~~	-	

		60 Mator /	Saturn 21		·		D
Customer: NewFields Companies L Project Description: Thomas Ft. A	LC NLS Project: 86494	60 - Water - (Saturn 2)				Page 16 of 18
Project Title: 0451-002	Template: SAT2W Printe	d: 12/30/2004	109:14				
Sample: 358941 Dup-1	Collected: 12/16/04	Analyzed:	12/29/04 -		·		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ		
1,2,3-Trichlorobenzene		ug/L	500	87	320		- Ang Tao - Alline Alline - Corres (an all the set of
1,2,4-Trichlorobenzene	ND	ug/L	500	53	190		
1,1,1-Trichloroethane	ND	ug/L	500	72	240		
1,1,2-Trichloroethane	ND	ug/L	500	69	230		
Trichloroethene	8900	ug/L	500	59	190		
Trichlorofluoromethane	ND	ug/L	500	73	240		and contraction for the second second second second second second second second second second second second se
1,2,3-Trichloropropane	ND	ug/L	500	110	380		
1,2,4-Trimethylbenzene	ND	ug/L	500	72	240	analas ananang penganan di kanan di ka	HATTE SIRATE CARACTER CARACTER
1,3,5-Trimethylbenzene	ND	ug/L	500	61	200		International Control Control of
Vinyl chloride	ND	ug/L	500	82	300		
meta,para-Xylene	ND	ug/L	500	130	440		
MTBE	ND	ug/L	500	72	240		and the second second second second second second second second second second second second second second second
Isopropyl ether	ND	ug/L	500	67	220		
Dibromofluoromethane (SURR**)	100%						
Toluene-d8 (SURR**)	. 101%						
1-Bromo-4-Fluorobenzene (SURR**)	94%				ann fa an an an an an an an an an an an an an		

	ESTILLE VOCIO NY EDA 8260	Motor (Saturn 2)			
ANALTICAL P	NU O Ducie ett. 00404	• water - (Saturn Zj		Page 17	01 18
Customer: NewFields Companies LLC	NLS Project: 86494					
Project Description: Thomas Ft. Atkinson					i	
Project Title: 0451-002	Template: SAT2W Printed: 1	2/30/2004	09:14			
Complex 250040 Trip Please	Collected: 12/16/04	Analia	ad: 42/24/04			
Sample: 358942 I rip Blank	Collected: 12/16/04	Analyz	ed: 12/24/04 -	•		
	RESULT	UNITS	DIL LOD	LOQ	annan ann an ann an ann an ann an ann an a	
Benzene	ND	ug/L	1 0.12	0.38		
Bromobenzene	ND	ug/L	1 0.13	0.42	LANG TARGETER HERE REPORTED HERE AND THE ADDRESS OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE ST	
Bromochloromethane	ND	ug/L	<u>1 0.11</u>	0.37		
Bromodichloromethane	ND	ug/L	1 0.19	0.70		
Bromoform	ND	ug/L	1 0.10	0.34		
Bromomethane	ND	ug/L	1 0.32	1.0	-	
n-Butylbenzene	ND	ug/L	1 0.19	0.70		
sec-Butylbenzene	ND	ug/L	1 0.16	0.52	AN INTERACT THE ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS ADDR	
tert-Butylbenzene	ND	ug/L	1 0.14	0.47		
Carbon Tetrachloride	ND	ug/L	1 0.15	0.51		
Chlorobenzene	· ND	ug/L	1 0.19	0.68		
Chloroethane	ND	ug/L	1 0.68	2.5		
Chloroform	ND	ug/L	1 0.12	0.41		
Chloromethane	ND	ug/L	1 0.12	0.41		
2-Chlorotoluene	ND	ug/L	1 0.13	0.42		
4-Chlorotoluene	ND	ug/L	1 0.13	0.44		
Dibromochloromethane	ND	ug/L	1 0.16	0.55		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1 0.25	0.83		
1,2-Dibromoethane	ND	ug/L	1 0.16	0.54		
Dibromomethane	ND	ug/L	1 0.16	0.57		
1,2-Dichlorobenzene	ND	ug/L	1 0.13	0.46		
1,3-Dichlorobenzene	ND	ug/L	1 0.10	0.34		
1,4-Dichlorobenzene	ND	ug/L	1 0.19	0.64		
Dichlorodifluoromethane	ND	ug/L	1 0.15	0.51		
1,1-Dichloroethane	ND	ug/L	1 0.13	0.44		
1,2-Dichloroethane	ND	ug/L	1 0.13	0.44		
1,1-Dichloroethene	ND	ug/L	1 0.24	0.88		
cis-1,2-Dichloroethene	ND	ug/L	1 0.13	0.44		
trans-1,2-Dichloroethene	· ND	ug/L	1 0.11	0.36		
1,2-Dichloropropane	ND	ug/L	1 0.13	0.42		
1,3-Dichloropropane	ND	ug/L	1 0.15	0.49		
2,2-Dichloropropane	ND	ug/L	1 0.16	0.55		
1,1-Dichloropropene	ND	ug/L	1 0.17	0.57		
cis-1,3-Dichloropropene	ND	ug/L	1 0.21	0.78		
trans-1,3-Dichloropropene	ND	ug/L	1 0.15	0.49	NAME NAME IN AN AN AN AN AND AN AN AN AN AN AN AN AN AN AN AN AN AN	
Ethylbenzene	ND	ug/L	1 0.14	0.47	NATURA D'ANNA ANNA ANNA ANNA ANNA ANNA ANNA A	
Hexachlorobutadiene	ND	ug/L	1 0.23	0.88	ner alle a sere some mense i hersensener fragere i som frager, som er at sere sere i se sammer er at sere som e	
Isopropylbenzene	ND	ug/L	1 0.12	0.41		
p-IsopropyItoluene	ND	ug/L	1 0.12	0.39	l	
Methylene chloride	ND	ug/L	1 0.10	0.34		
Naphthalene	ND	ug/L	1 0.16	0.60		
n-Propylbenzene	ND	ug/L	1 0.17	0.56		
ortho-Xylene	ND	ug/L	1 0.13	0.44	af di di Min a 1999 wi di di Min di Nan 1996 a Anto anto anto anto anto dati dal anno di ana di mana anto anno	
Styrene	ND	ug/L	1 0.14	0.47	n an air ann an mar a' ann fan da an ann an ann an an ann an ann an ann an a	
1,1,1,2-Tetrachloroethane	ND	ug/L	1 0.16	0.55	Management for each of the second second second second second second second second second second second second	
1,1,2,2-Tetrachloroethane	ND	ug/L	1 0.20	0.67		
Tetrachloroethene	ND	ug/L	1 0.13	0.45		
Toluene	ND	ug/L	1 0.20	0.77	s statisticalization of control to be a second second second second second second second second second second s	
			An and a second s		· · · · · · · · · · · · · · · · · · ·	

ANALYTICAL RE Customer: NewFields Companies LLC Project Description: Thomas Ft. Atkinson Project Title: 0451-002	SULTS: VOC's by EPA 8260 · NLS Project: 86494 Template: SAT2W Printed: 1	Page 18 of 18					
Sample: 358942 Trip Blank	Collected: 12/16/04	Analyz	ed: 12/24	/04 -			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	1	
1.2.3-Trichlorobenzene	ND	ug/L	1	0.17	0.64		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.11	0.37		
1,1,1-Trichloroethane	ND	ug/L	1	0.14	0.48		
1,1,2-Trichloroethane	ND	ug/L	1	0.14	0.46	a and an an an an an an an an an an an an an	1000 (100 (100 (100 (100 (100 (100 (100
Trichloroethene	ND ·	ug/L	1	0.12	0.39		
Trichlorofluoromethane	ND	ug/L	1	0.15	0.49		
1,2,3-Trichloropropane	ND	ug/L	1	0.23	0.76		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.14	0.48		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.12	0.41		
Vinyl chloride	ND	ug/L	1	0.16	0.61		
meta,para-Xylene	ND	ug/L	1	0.26	0.88		
MTBE	ND	ug/L	1	0.14	0.48	1	
Isopropyl ether	ND	ug/L	1	0.13	0.45		1990-1990-1990-1990-1990-1990-1990-1990
Dibromofluoromethane (SURR**)	98%					-	11111111111111111111111111111111111111
Toluene-d8 (SURR**)	104%						an ana ang ang ang ang ang ang ang ang a
1-Bromo-4-Fluorobenzene (SURR**)	97%		and a second second second second second second second second second second second second second second second		**************************************		

** Surrogates are used to evaluate a method's Quality Control.

AMPLE COLLECTION AND CLIENT Naw Fields ADDRESS ZIJO Luann Ln S.	CHAIN O	IN OF CUSTODY RECORDNORTHERNWisconsin Lab Cert. No. 721026460Analytical Laboratory a 400 North Lake Ave Tel: (715) 478-2777					ERN ratory al ce Aven 2777 •	LAP nd Env ue • (Fax:	(E S ironmer Crando (715) 4	ERV ntal Servi n, WI 5 78-306	I CE, IN ^{ces} 4520-1298 D	C.			
CITY STATE PROJECT DESCRIPTION / NO. 0451-002 Thom-s-Ft.Atticson DNR LICENS DNR FID # DNR LICENS CONTACT M. C.II.L PURCHASE ORDER NO. FAX Gas	ZIP S-37 (3 QUOTATION NO. SE # - 442 5223 - 442 - 7013 COLLI	MAT SW = WW GW - DW = TIS = AIR - SOIL SED PROI SL = OTH	RIX: = surface water = groundwater = drinking water = tissue = air = soil = sediment D = product sludge ER MATRIX (See above)	ANALYZE PER CO-	LUC . JOEHOF AMALYSIC	(2260)29		BOXES BE	LOW: In 3 or C if	dicate Y WW San	or N If C	W Sam	ble is field	filtered.	No. 7393
$\frac{1}{1} \frac{2\pi G^2 G^2}{2} \frac{1}{2} 1$	12/16/04		CIN	<u> </u>	$\overline{\mathbf{x}}$	(-		/		1	· ((
2. 25925 Min = 7		09.20	10.00					¢							<u> </u>
3. 355921 1.1.1 - 2.1	·	0915		1		_						<u> </u>			
4. 358920 Arrs -2		1015						,						· ·	· · · · · · · · · · · · · · · · · · ·
5. 39.930 MEXE 4		1100		- 11 - 11				;						-	·
6. 258929		1045													
7. 358944 Shin - 5 /		0800													
8. 58921 - D.C 1		1130	*												<u>-</u>
9. 3589.12 Tri 13 and					₩_ _					1					
10.															······
			!	1	L	L-	!		l		!	:	I		
OLLECTED BY (signature)		CUSTODY SEA	L NO. (IF AN	Y)				Ĺ	ATE/TIN	1E	RE	PORT TO ለ		101	1
RELINQUISHED BY (signature) DATE/TIME							1E		17	ay (s.	McColle	›			
DISPATCHED BY (signature)	METHOD (OF TRANSPORT	ŗ					· C	ATE/TIN	1E					
ECEIVED AT NLS BY (signature)	DATE/TIME 12/ רו 12/	०५ १	1:15	CONDITI	ION				TEMP.		INV	OICE TO) San	. :. e_	
COOLER # P P RESERVATIVE: N = nitric acid OH= sodium hydroxide IP = no preservative Z = zinc acetate HA= hydrochloric & asc	WDNR FACIL	ITY NUMBER		DDRESS	;		-								
= sulfuric acid M = methanol H ⊨ hydrochloric acid 1. TO MEET REGULATORY REQUIRE		JST BE COMPLET	ED IN DETAI			D IN 1	THE CO	DOLER CO	NTAININ	IG THE S		S DESCR	BED.		
2. PLEASE USE ONE LINE PER SAMP 3. RETURN THIS FORM WITH SAMPL 4. PARTIES COLLECTING SAMPLE, L	ple, <u>not</u> per Bottle. Les - Client May Keep Isted as <u>Report to</u>	PINK COPY. AND LISTED AS <u>II</u>	NVOICE TO	AGREE TO) STAN	DARE) TERM	AS & CON	DITIONS	ON REVI	ERSE.				

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APPENDIX C

IN-SITU HYDRAULIC CONDUCTIVITY TEST RESULTS

	WELL ID:	DR O	AKS, FORTATKINSON	_	Reduced Data	
		-	Local ID: MW-1 (trial #1)	-	Time,	Water
	INPUT		Date: 12/16/2004	Entry	Hr:Min:Sec	Level
Construction:			Time: 0:00	1	0:00:26.6	6.55
Casing dia. (d _c)	2 Inch -			2	0:00:32.6	7.04
Annulus dia. (d _w)	8.25 Inch		₩ → ← d.	3	0:00:38.6	7.09
Screen Length (L)	8.58 Feet			4	0:00:44.6	7.12
				5	0:00:50.6	7.14
Depths to:				6	0:00:56.6	7.16
water level (DTW)	12.77 Feet			7	0:01:02.6	7.17
top of screen (TOS)	12.77 Feet			8	0:01:08.6	7.18
Base of Aquifer (DTB)	22 Feet			9	0:01:14.6	7.20
				10	0:01:20.6	7.20
Annular Fill:			Base of Aquifer	11	0:01:26.6	7.21
across screen	Medium Sand		Dese of Admini	12	0:01:32.7	7.22
above screen	Bentonite		Adjust slope of line to estimate K	13	0:01:38.7	7.23
		1.00		14	0:01:44.7	7.24
Aquiter Material	Fine Sand	1.00		15	0:01:50.7	7.25
			Υ	16	0:01:56.7	7.25
	COMPUTED		Į \	17	0:02:02.7	7.26
Lwetted	8.58 Feet			18	0:02:08.7	7.26
D =	9.23 Feet			19	0:02:14.7	7.27
H =	8.58 Feet		d	20	0:02:20.7	7.28
L/r _w =	24.96			21	0:02:26.7	7.28
YO-DISPLACEMENT	0.86 Feet		þ	22	0:02:32.7	7.29
Yo-slug =	0.84 Feet	s		23	0:02:38.7	7.29
From look-up table using	g L/r _w	7		24	0:02:44.7	7.30
Partial penetrate A =	2.363			25	0:02:50.7	7.30
B =	0.383			26	0:02:56.7	7.30
				27	0:03:02.7	7.31
In(Re/rw) =	2.240			28	0:03:08.7	7.31
Re =	3.23 Feet			29	0:03:14.7	7.32
				30	0:03:20.7	7.32
Slope =	0.074636552 log ₁₀ /sec			31	0:03:26.7	7.32
t _{90%} recovery =	13 sec			32	0:03:32.7	7.32
nput is consistent.				33	0:03:38.7	7.33
				34	0:03:44.7	7.33
K =	10.00 Feet/Day	0.10	ما من من المان المان المان المان المان المان المان المان المان المان المان المان المان المان المان ا	35	0:03:50.7	7.33
<u> </u>	1.16E-04 Feet/sec	00:	00 00:09 00:17 00:26 00:35 00:43	36	0:03:56.8	7.34
K =	3.53E-03 cm/sec		TIME, Minute:Second	37	0:04:02.8	7.34
				38	0:04:08.8	7.34
				39	0:04:14.8	7.34
REMARKS:		B	ouwer and Rice analysis of slug test, WRR 1976	40	0:04:20.8	7.34
B Oaks Facility, Fort A	tkinson, Wisconsin,			41	0:04:26.8	7.35
MW-1 (trial #1)	···•, ····- ······			42	0:04:32.8	7.35
Completed by NewField	s on 12/16/2004			43	0:04:38.8	7.35
Somblered by Mewi Jein				~ ^ ^	0.04.44.8	7 35
				47	0.04.74.0	

<u> </u>	WELL ID:	DB OA	KS, FORT ATKINSON	_	Reduced Data	
			Local ID: MW-1 (trial #2)	Fata	Time,	Water
Construction:	INFUI	1	Time: 0:00	Entry 1	0:00:27.0	Level 6.18
Casing dia. (d.)	2 Inch			2	0:00:33.1	7.01
Annulus dia. (d)	8.25 Inch			3	0:00:39.1	7.08
Sereen Longth (L)	9.59 East			4	0.00.45 1	7 1 1
Screen Lengin (L)	0.50 Feel			5	0:00:51.1	7.13
Depths to:			TOS	6	0:00:57.1	7.15
water level (DTW)	12.77 Feet			7	0:01:03.1	7.17
top of screen (TOS)	12.77 Feet			8	0:01:09.1	7.18
Base of Aquifer (DTB)	22 Feet			9	0:01:15.1	7.19
· · · - ···				10	0:01:21.1	7.20
Annular Fill:	Madium Cand		Base of Aquifer	11	0:01:27.1	7.21
across screen	Medium Sand Bentonite			12	0.01.33.1	7.22
above sereen	Dentonite		Adjust slope of line to estimate K	14	0:01:45.1	7.24
Aquifer Material	Fine Sand	1.00 ह		15	0:01:51.1	7.24
	***************************************	ł		16	0:01:57.1	7.25
	COMPUTED	, İ		17	0:02:03.1	7.26
Lwetted	8.58 Feet			18	0:02:09.1	7.26
D =	9.23 Feet	-	· \	19	0:02:15.1	7.27
H=	8.58 Feet			20	0:02:21.1	7.27
L/r _w =	24.96		d	21	0:02:27.1	7.28
Y0-DISPLACEMENT [™]	1.23 Feet	1		22	0:02:33.1	7.28
Yo-slug =	1.13 Feet	ž		23	0:02:39.1	7.29
From look-up table usin	g L/r _w	~	þ	24	0:02:45.1	7.29
Partial penetrate A =	2.363	ŀ	0	25	0:02:51.1	7.30
B =	0.383		0	26	0:02:57.2	7.30
	2 240			27	0:03:03.2	7.31
Re =	3.23 Feet			20	0.03.09.2	7.31
	0.20 1 00(© ^v q	30	0:03:21.2	7.32
Slope =	0.098097335 log ₁₀ /sec			31	0:03:27.2	7.32
t _{90%} recovery =	10 sec			32	0:03:33.2	7.32
Input is consistent.				33	0:03:39.2	7.33
				34	0:03:45.2	7.33
K =	20.00 Feet/Day	0.10 L	. <u> </u>	35	0:03:51.2	7.33
<u>K =</u>	2.31E-04 Feet/sec	00:0	00 00:09 00:17 00:26 00:35 00:43	36	0:03:57.2	7.33
<u> </u>	7.00E-03 CM/Sec		TIME, MINULE.Second	37	0:04:03.2	7.34
				30	0.04.09.2	7.34
REMARKS:		Bo	ouwer and Rice analysis of slug test, WRR 1976	40	0:04:21 2	7.35
				41	0:04:27.2	7.35
UB Uaks Facility, Fort A	ikinson, wisconsin.			42	0:04:33.2	7.35
Completed by NewField	s on 12/16/2004			43	0:04:39.2	7.35
				44	0:04:45.2	7.35
				45	0:04:51.2	7.36
				44 45	0:04:45.2 0:04:51.2	

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		DR	JAKS, FURT ATKINSUN		Reduced Data	
			Local ID: MW-2 (trial #1)		Time,	Water
	INPUT		Date: 12/16/2004	Entry	Hr:Min:Sec	Level
Construction:		1	Time: 0:00	1	0:00:23.8	3.98
Casing dia. (d _c)	2 Inch			2	0:00:26.8	4.29
Annulus dia. (d _w)	8.25 Inch		v → I I← d	3	0:00:29.8	4.32
Screen Lenath (L)	4.59 Feet			4	0:00:32.8	4.34
				5	0:00:35.8	4.35
Depths to:			TOS	6	0:00:38.8	4.35
water level (DTW)	10.59 Feet]		7	0:00:41.8	4.36
top of screen (TOS)	10.59 Feet			8	0:00:44.8	4.36
Base of Aquifer (DTB)	16 Feet			9	0:00:47.8	4.3
		1		10	0:00:50.8	4.37
Annular Fill:				11	0:00:53.8	4.37
across screen -	Medium Sand		Base of Aquiler	12	0:00:56.8	4.38
above screen	Bentonite			13	0:00:59.8	4.3
			Adjust slope of line to estimate K	14	0:01:02.8	4.3
Aquifer Material	Fine Sand	J		15	0:01:05.8	4.39
				16	0:01:08.8	4.40
	COMPUTED	-		17	0:01:11.8	4.40
Lwetted	4.59 Feet		\sim	18	0:01:14.8	4.4
D =	5.41 Feet		R	19	0:01:17.8	4.4
H =	4.59 Feet		8	20	0:01:20.8	4.4
L/r _w =	13.35		No.	21	0:01:23.8	4.42
Y0-DISPLACEMENT =	0.49 Feet			22	0:01:26.8	4.4
Yo-slug =	0.56 Feet	\$	TE I	23	0:01:29.8	4.4
From look-up table using	g L/r _w	Y,	No. 1	24	0:01:32.8	4.4
Partial penetrate A =	2.011	-	0.10	25	0:01:35.8	4 4
B=	0.299			26	0:01:38.8	4.43
			k K	27	0:01:41.8	4.4
In(Re/rw) =	1.682		k Z	28	0:01:44.8	4.44
Re =	1.85 Feet		- 19	29	0:01:47.8	4.44
				30	0:01:50.8	4.44
Slope =	0.010077614 log ₁₀ /sec			31	0:01:53.8	4.44
t _{90%} recovery ≕	99 sec			32	0:01:56.8	4.45
nput is consistent.		•		33	0:01:59.8	4.4
		,	ω	34	0:02:02.8	4.45
<u>K =</u>	3.00 Feet/Day	'	0.01	35	0:02:05.8	4.45
<u> </u>	3.47E-05 Feet/sec		00:00 00:43 01:26 02:10 02:53	36	0:02:08.8	4.45
К =	1.06E-03 cm/sec	l	TIME, Minute:Second	37	0:02:11.8	4.45
				38	0:02:14.8	4.46
DEMADKO.			Pointer and Dise analysis of the test WPP doe	39	0:02:17.9	4.46
			bouwer and Rice analysis of slug test, WRR 197	o 40	0:02:20.9	4.46
B Oaks Facility, Fort A	kinson, Wisconsin.			41	0:02:23.9	4.46
/W-2 (trial #1)				42	0.02.20.9	4.40 A AG
	an 19/16/9001			- 40	0.02.29.9	4.40
Completed by NewField	s on 12/10/2004			44	0.02.32 0	A 16
	WELL ID:	DB (OAKS, FORT ATKINSON		Reduced Data	
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	······································		Local ID: MW-2 (trial #2)	•	Time,	Water
	INPUT		Date: 12/16/2004	Entry	Hr:Min:Sec	Level
Construction:			Time: 0:00	1	0:00:24.2	3.65
Casing dia. (d _c)	2 Inch			2	0:00:27.2	4.28
Annulus dia. (d _w)	8.25 Inch		↓ → ← d	3	0:00:30.2	4.34
Screen Length (L)	4.59 Feet			4	0:00:33.2	4.3€
				5	0:00:36.2	4.36
Depths to:	· · · · · · · · · · · · · · · · · · ·			6	0:00:39.2	4.37
water level (DTW)	10.59 Feet		ртв	7	0:00:42.2	4.38
top of screen (TOS)	10.59 Feet		│	8	0:00:45.2	4.38
Base of Aquifer (DTB)	16 Feet			9	0:00:48.2	4.39
				10	0:00:51.2	4.40
Annular Fill:			Base of Aquifer	11	0:00:54.2	4.41
across screen	Medium Sand			12	0:00:57.2	4.41
above screen	Bentonite		Adjust slope of line to estimate K	13	0:01:00.2	4.42
A				14	0:01:03.2	4.42
Aquiter Material	Fine Sand			15	0:01:06.2	4.43
				10	0:01:09.2	4.43
	COMPUTED	•		17	0:01:12.2	4.43
Lwetted	4.59 Feet			18	0:01:15.2	4.43
D =	5.41 Feet			19	0:01:18.2	4.44
н=	4.59 Feet			20	0:01:21.2	4.44
L/r _w =	13.35			21	0:01:24.2	4.45
Y0-DISPLACEMENT	0.83 Feet			22	0:01:27.2	4.45
Yo-slug =	0.84 Feet	ž		23	0:01:30.2	4.45
From look-up table using	g L/r _w	ž		24	0:01:33.2	4.45
Partial penetrate A =	2.011		0.10	25	0:01:36.2	4.46
B =	0.299			26	0:01:39.2	4.46
				27	0:01:42.2	4.46
In(Re/rw) =	1.682			28	0:01:45.2	4.46
Re =	1.85 Feet			29	0:01:48.2	4.46
			So.	30	0:01:51.2	4.46
Slope =	0.010129738 log ₁₀ /sec			31	0:01:54.2	4.46
t _{90%} recovery =	99 sec			32	0:01:57.2	4.46
nput is consistent.			(CO)	33	0:02:00.2	4.47
				34	0:02:03.2	4.47
К =	3.00 Feet/Day		L	35	0:02:06.2	4.47
K =	3.47E-05 Feet/sec		00:00 00:43 01:26 02:10	36	0:02:09.2	4.47
К =	1.06E-03 cm/sec		TIME, Minute:Second	37	0:02:12.2	4.47
				38	0:02:15.2	4.47
				39	0:02:18.2	4.47
REMARKS:			Bouwer and Rice analysis of slug test, WRR 1976	40	0:02:21.2	4.47
DB Oaks Facility, Fort A MW-2 (trial #2) Completed by NewField:	tkinson, Wisconsin. s on 12/16/2004	<u></u>				



Bouwer and Rice analysis of slug test, WRR 1976

IDB Oaks Facility, Fort Atkinson, Wisconsin. MW-2A (trial #1) Completed by NewFields on 12/16/2004



IDB Oaks Facility, Fort Atkinson, Wisconsin. MW-2A (trial #2) Completed by NewFields on 12/16/2004

	VVELL ID:	DBO	AKS, FORT ATKINSON		Reduced Data	l I
			Local ID: MW-3 (trial #1)		Time,	Water
	INPUT		Date: 12/16/2004	Entry	Hr:Min:Sec	Level
Construction:			Time: 0:00	1	0:00:32.1	6.94
Casing dia. (d _c)	2 Inch			2	0:00:38.1	7.22
Annulus dia. (d _w)	8.25 Inch		$\psi \rightarrow \leftarrow d_{c}$	3	0:00:44.1	7.26
Screen Length (L)	8.3 Feet			4	0:00:50.1	7.28
• • • •				5	0:00:56.1	7.29
Depths to:			TOS	6	0:01:02.1	7.30
water level (DTW)	7.09 Feet			7	0:01:08.1	7.30
top of screen (TOS)	7.09 Feet			8	0:01:14.1	7.30
Base of Aquifer (DTB)	16 Feet			9	0:01:20.2	7.31
				10	0:01:26.2	7.31
Annular Fill:			Base of Aquifer	11	0:01:32.2	7.32
across screen	Medium Sand			12	0:01:38.2	7.32
above screen	Bentonite		Adjust slope of line to estimate K	13	0:01:44.2	7.32
Aquifor Motorial	Eine Sand	1.00	0	14	Reduced Data Time, htry Hr:Min:Sec 1 0:00:32.1 2 0:00:38.1 3 0:00:44.1 4 0:00:50.1 5 0:00:56.1 6 0:01:02.1 7 0:01:08.1 8 0:01:14.1 9 0:01:20.2 0 0:01:26.2 1 0:01:32.2 2 0:01:32.2 2 0:01:32.2 2 0:01:32.2 2 0:01:32.2 2 0:01:32.2 3 0:01:44.2 4 0:01:50.2 5 0:01:50.2 6 0:02:02.2 7 0:02:08.2 8 0:02:20.2 0 0:02:20.2 0 0:02:20.2 1 0:02:32.2 2 0:02:38.2 3 0:02:50.2 5 0:02:50.2 5 0:02:50.2 5	7.33
Aquiter Material	rine Sanu			10	0:01:50.2	7.33
			}	47	0.02.02.2	7.00
	CONFUTED		h	17	0:02:08.2	7.33
Lwetted	0.3 Feet			18	0:02:14.2	7.33
D=	8.91 Feet		4	19	0:02:20.2	7.34
п- 1/е -	0.3 Feel			20	0:02:20.2	7.34
	24.15		0	21	0:02:32.2	7.34
Y0-DISPLACEMENT	0.53 Feet			22	0:02:38.2	7.34
Yo-slug =	0.56 Feet	Ņ.	1000-	23	0:02:44.2	7.35
From look-up table usin	g L/r _w	~		24	0:02:50.2	7.35
Partial penetrate A =	2.339			25	0:02:56.2	7.35
B =	0.378			26	0:03:02.2	7.35
	0.040			27	0:03:08.2	7.35
In(Re/rw) ≍	2.216 2.45 Each			28	0:03:14.2	7.35
Re -	3.15 Feet			29	0:03:20.2	7.35
Sione =	0.025///0598.log/sec			30	0.03:20.2	7.30
	0.020440030 log10300			31	0.03.32.2	7.30
190% recovery -	39 560			32	0:03:38.2	7.36
nput is consistent.				33	0:03:44.3	7.36
K =	5.00 Feet/Day	0 10		34	0.03.50.3	7.37
К =	5 79E-05 Feet/sec	0.10	0.00 00.17 00.35 00.52 01.09 01.26	36	0.03.30.3	7 37
К =	1.76E-03 cm/sec		TIME. Minute:Second	37	0.04.08.3	7.37
				38	0:04:14.3	7.37
				39	0:04:20.3	7.37
REMARKS:		Е	ouwer and Rice analysis of slug test. WRR 1976	40	0:04:26.3	7.37
	A			41	0:04:32.3	7.37
JB Uaks Facility, Fort A	ikinson, wisconsin.			42	0:04:38.3	7.37
VIVV=.5 (17)21 #411				43	0:04:44.3	7.37
Completed by NewField	n nn 12/16/2004		•			
Completed by NewField	s on 12/16/2004			44	0:04:50.3	7.37

Slug_Bouwer-Rice_MW-3(TRIAL_2)

		UD UI	AND, FURI ATNINDUN		Reduced Data	
			Local ID: MW-3 (trial #2)	-	Time,	Water
	INPUT		Date: 12/16/2004	Entry	Reduced Data Time, V Hr:Min:Sec 0:00:32.9 0:00:38.9 0:00:50.9 0:00:56.9 0:01:02.9 0:01:02.9 0:01:02.9 0:01:20.9 0:01:20.9 0:01:27.0 0:01:27.0 0:01:33.0 0:01:57.0 0:01:57.0 0:02:03.0 0:02:15.0 0:02:15.0 0:02:27.0 0:02:33.0 0:02:39.0 0:02:45.0 0:02:51.0	Level
Construction:			Time: 0:00	1	0:00:32.9	5.59
Casing dia. (d _c)	2 Inch			2	0:00:38.9	7.03
Annulus dia. (d _w)	8.25 Inch		$\psi \rightarrow \leftarrow d_{c}$	3	0:00:44.9	7.15
Screen Length (L)	8.3 Feet			4	0:00:50.9	7.18
				5	0:00:56.9	7.20
Depths to:				6	0:01:02.9	7.22
water level (DTW)	7.09 Feet		отв Ц 1	7	0:01:08.9	7.23
top of screen (TOS)	7.09 Feet		目↓↓↓	8	0:01:14.9	7.23
Base of Aquifer (DTB)	16 Feet			9	0:01:20.9	7.24
A			\downarrow \downarrow	10	0:01:27.0	7.25
Annular Fill:	Madium Sand		Base of Aquifer	11	0:01:33.0	7.25
above screen	Bentonite		A MARK AND A DAMAGE	12	0.01.39.0	7.25
20010 3010011			Adjust slope of line to estimate K	14	0:01:51.0	7.26
Aquifer Material	Fine Sand	1.00	P	15	0:01:57.0	7.27
***************************************	***************************************			16	0:02:03.0	7.27
(17	0:02:09.0	7.27
Lwetted	8.3 Feet			18	0:02:15.0	7.28
D =	8.91 Feet			19	0:02:21.0	7.28
H =	8.3 Feet			20	0:02:27.0	7.29
L/r _w =	24.15		r l	21	0:02:33.0	7.29
Y0-DISPLACEMENT =	1.90 Feet			22	0:02:39.0	7.29
Yo-slug =	1.69 Feet	•	b	23	0:02:45.0	7.29
From look-up table using	a L/r _w	Ś.		24	0:02:51.0	7.29
Partial penetrate A =	2.339			25	0:02:57.0	7.30
B =	0.378			26	0:03:03.0	7.30
			d	27	0:03:09.0	7.30
ln(Re/rw) =	2.216			28	0:03:15.0	7.30
Re =	3.15 Feet		[¶_	29	0:03:21.0	7.31
-			Poo	30	0:03:27.0	7.31
Slope =	0.044320235 log ₁₀ /sec			31	0:03:33.0	7.31
t _{90%} recovery =	23 sec			32	0:03:39.0	7.31
nput is consistent.				33	0:03:45.0	7.32
V _	9.00 Feet/Dev	0.40		34	0:03:51.1	7.32
K =	9.26E-05 Eeet/sec	0.10	00 00:17 00:25 00:52 01:09 01:26	35	0:03:57.1	7.32
K =	2.82E-03 cm/sec		TIME. Minute:Second	37	0:04:09 1	7.32
				38	0:04:15.1	7.32
				39	0:04:21.1	7.32
REMARKS:		в	ouwer and Rice analysis of slug test, WRR 1976	40	0:04:27.1	7.33
DR Oake Eacility East A	kincon Micocasia			41	0:04:33.1	7.33
JB Jaks Facility, FUT Al MW-3 (trial #2)	kinson, wisconsin.			42	0:04:39.1	7.33
Completed by NewFields	s on 12/16/2004			43	0:04:45.1	7.33
				44	0:04:51.1	7.33



Bouwer and Rice analysis of slug test, WRR 1976

DB Oaks Facility, Fort Atkinson, Wisconsin. MW-4 (trial #1) Completed by NewFields on 12/16/2004

Slug_Bouwer-Rice_MW-4(TRIAL_1)



Bouwer and Rice analysis of slug test, WRR 1976

DB Oaks Facility, Fort Atkinson, Wisconsin. MW-4 (trial #2) Completed by NewFields on 12/16/2004

Slug_Bouwer-Rice_MW-4A(TRIAL 1)



REMARKS:

IDB Oaks Facility, Fort Atkinson, Wisconsin. MW-4A (trial #1)	
Completed by NewFields on 12/16/2004	



IDB Oaks Facility, Fort Atkinson, Wisconsin. MW-4A (trial #2) Completed by NewFields on 12/16/2004



IDB Oaks Facility, Fort Atkinson, Wisconsin. MW-4A (trial #3) Completed by NewFields on 12/16/2004	

Slug_Bouwer-Rice_MW-5(TRIAL_1)

	WELL ID:	DB OAI	KS, FOF	RT ATK	INSO	N			Reduced Data	l
			Local ID	: MW	/-5 (tria	l #1)		-	Time,	Water
	INPUT	•	Date	: 12/16/20	04			Entry	Hr:Min:Sec	Level
Construction:			Time	: 0:	00			1	0:00:28.1	7.58
Casing dia. (d _c)	2 Inch							2	0:00:31.1	7.79
Annulus dia. (d _w)	8.25 Inch			¥ →	← d _e		-	3	0:00:34.1	7.89
Screen Length (L)	6.77 Feet			DTW A	1	-	-	4	0:00:37.1	7.95
				↑	↑	1		5	0:00:40.1	7.98
Depths to:				TOS V				6	0:00:43.1	8.00
water level (DTW)	7.83 Feet		і DTB	E	j ∧ [1		7	0:00:46.1	8.02
top of screen (TOS)	7.83 Feet			E	∄¢ √	I		8	0:00:49.2	8.04
Base of Aquifer (DTB)	16 Feet			الله الم	1			9	0:00:52.2	8.05
			\downarrow	10,	41	\downarrow		10	0:00:55.2	8.06
Annular Fill:	Madium Canad			Base of A	quifer		nik.	11	0:00:58.2	8.07
across screen M	Viedium Sand		(3840-47-39-24-4-34)					12	0:01:01.2	0.00
	Sentonite		Adjust s	lope of lin	e to es	timate	к	14	0.01.04.2	8.00
Aquifer Material F	Fine Sand	1.00 P	<u> </u>					15	0:01:10.2	8.09
/ quilor matorial 1		' F						16	0:01:13.2	8.10
C	COMPUTED	Ļ	`					17	0:01:16.2	8.10
Lustad	6.77 Feet		ζ					18	0:01:19.2	8.10
D =	8.17 Feet	ľ	1					19	0:01:22.2	8.11
- H =	6.77 Feet		1					20	0:01:25.2	8.11
L/r _w =	19.69	-	9					21	0:01:28.2	8.12
	0.62 Feet		7					22	0:01:31.2	8.12
	0.56 Feet		J					23	0.01.34.2	8 12
From look-up table using	11/r	ξ	٩ ٩					24	0.01.37.2	8 13
Partial penetrate A =	2 101		Ъ					25	0.01.37.2	8 1 3
B =	0.343		<u> </u>					26	0.01.40.2	8 13
5	0.010		20	2				27	0:01:46.2	8.13
ln(Re/rw) =	1.981		•	്റ				28	0:01:49.2	8.13
Re =	2.49 Feet			്ര				29	0:01:52.2	8.13
					2			30	0:01:55.2	8.14
Siope =	0.027262156 log ₁₀ /sec				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			31	0:01:58.2	8.14
t _{90%} recovery =	37 sec				-0	60		32	0:02:01.2	8.14
Input is consistent.						000	∞	33	0:02:04.2	8.14
							-0	34	0:02:07.2	8.14
K =	6.00 Feet/Day	0.10	مىلىك تىك			•	المنسب	35	0:02:10.2	8.14
<u> </u>	6.94E-05 Feet/sec	00:00	0 00:17	00:35	00:52	01:09	01:26	36	0:02:13.2	8.15
κ=	2.12E-03 cm/sec		I	IME, MINUTE:	Secona			37	0:02:16.2	8.15
								20	0.02.19.2	0.10
		Ro	wer and P	ice analysi	e of elux	n toet V	VDD 1076	39	0.02.22.2	0.10
				ice analysis	5 01 5100	j 1031, V		μ Δ1	0:02:20.2	0.10 8.15
DB Oaks Facility, Fort Atl	kinson, Wisconsin.							42	0:02:31.2	8.15
MW-5 (trial #1)	40/46/0004							43	0:02:34.2	8.15
completed by NewFields	on 12/16/2004							44	0:02:37.2	8.16
								45	0:02:40.2	8.15

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	WELL ID:	DB OA	AKS, FORT ATKINSON		Reduced Data	
			Local ID: MW-5 (trial #2)	-	Time,	Water
,	INPUT		Date: 12/16/2004	Entry	Hr:Min:Sec	Level
Construction:		2	Time: 0:00	1	0:00:28.5	6.12
Casing dia. (d _c)	2 Inch	ĺ		2	0:00:31.5	7.37
Annulus dia. (d _w)	8.25 Inch		¥ → ← d.	3	0:00:34.5	7.68
Screen Length (L)	6.77 Feet			4	0:00:37.5	7.80
				5	0:00:40.5	7.85
Depths to:				6	0:00:43.5	7.89
water level (DTW)	7.83 Feet			7	0:00:46.5	7.92
top of screen (TOS)	7.83 Feet		≣↓↓↓	8	0:00:49.5	7.94
Base of Aquifer (DTB)	16 Feet			9	0:00:52.5	7.96
				10	0:00:55.5	7.98
Annular Fill:	Madium Cand	i i	Base of Aquifer	11	0:00:58.5	7.99
across screen I	Rentonite			12	0:01:01.5	8.02
20076 30/001-1		Ì	Adjust slope of line to estimate K	14	0:01:07.5	8.03
Aquifer Material I	Fine Sand	1.00 (P	15	0:01:10.5	8.04
				16	0:01:13.5	8.05
(COMPUTED			17	0:01:16.5	8.06
Lwetted	6.77 Feet	ļ		18	0:01:19.5	8.07
D =	8.17 Feet		F9	19	0:01:22.5	8.07
H =	6.77 Feet			20	0:01:25.5	8.08
L/r _w =	19.69		4	21	0:01:28.5	8.08
YO-DISPLACEMENT	2.09 Feet		4	22	0:01:31.5	8.09
Yo-suug =	1.83 Feet	্	Ϋ́ _O	23	0:01:34.5	8.10
From look-up table using	ı L/r	Ϋ́Υ	600	24	0:01:37.5	8.10
Partial penetrate A =	2.191	0.10		25	0:01:40.5	8.10
B =	0.343			26	0:01:43.5	8.11
				27	0:01:46.5	8.11
ln(Re/rw) =	1.981			28	0:01:49.5	8.11
Re =	2.49 Feet			29	0:01:52.5	8.12
				30	0:01:55.5	8.12
Slope =	0.042438272 log ₁₀ /sec			31	0:01:58.5	8.12
t _{90%} recovery =	24 sec			32	0:02:01.5	8.13
Input is consistent.				33	0:02:04.5	8.13
K -	0.00 East/Day	0.01		34	0:02:07.5	8.13
K =	9.00 Feet/Day	0.01	00 00:17 00:25 00:52 01:09 01:26	35	0:02:10.5	8.13
K =	3 18E-03 cm/sec	00.	TIME. Minute:Second	37	0:02:13.5	8.13 8.14
	0.102 00 0.1000		····· ··· ····························	38	0:02:19.5	8.14
				39	0:02:22.5	8.14
REMARKS:		В	ouwer and Rice analysis of slug test. WRR 1976	40	0:02:25.5	8.14
DB Ooko Epoility East At	Vincon Micconcin			41	0:02:28.5	8.15
UD Oaks Facility, Fort At	kinson, wisconsin.			42	0:02:31.5	8.15
Completed by NewFields	s on 12/16/2004			43	0:02:34.5	8.15
Sompleted by New Ields	, ULI ILI IVILUUT			44	0:02:37.5	8.15
				45	0:02:40.5	8.15
De Oaks Facility, Fort At MW-5 (trial #2) Completed by NewFields	kinson, vvisconsin. 3 on 12/16/2004			42 43 44 45	0:02:31.5 0:02:34.5 0:02:37.5 0:02:40.5	8 8 8 8

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