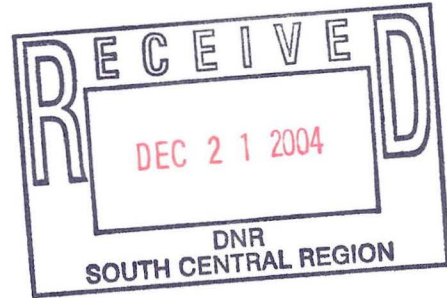


 **RSV**  
**ENGINEERING, INC.**

Engineers • Land Surveyors • Environmental Scientists

October 14, 2004

Denise Nettesheim  
Wisconsin Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg WI 53711



**RE: Progress Report  
Robinson's Cleaners  
Milwaukee Street, Janesville  
BRRTS No. 02-54-248342**

Dear Ms. Nettesheim:

Pursuant to our approved scope of work, RSV Engineering, Inc. ("RSV") has completed additional soil and groundwater sampling at the former Robinson's Cleaners property ("Site"), located at 1819 East Milwaukee Street in Janesville, Wisconsin. Our scope of work consisted of the following four tasks:

- Construction of a base map accurately showing the locations of all buried utilities on the Site;
- Collection and analysis of additional Geoprobe soil samples to refine the delineation of soil impacts previously identified, at locations based on the results of previous sampling and locations of buried utilities;
- Collection and analysis of a soil sample adjacent to the floor drain inside the building; and
- Collection and analysis of a second round of groundwater samples from the existing Site monitor wells.

***Utility Mapping and Selection of Boring Locations:***

Figure 1 shows the locations of buried utilities on the site. The figure also shows the locations of previous borings. The earlier studies identified two locations of elevated (greater than 1 part per million) concentrations of chlorinated volatile organic compounds ("CVOCs"), specifically at locations R-2 and R-3, which yielded CVOc concentrations of 5,883 and 31,210 µg/kg, respectively. However, the results at other locations did not provide the information to evaluate the extent of impacts at these levels. RSV therefore recommended the collection of soil samples at locations R-101, R-102, R-103 and R-104.

***Soil Borings:***

On June 16, 2004, RSV mobilized a Geoprobe direct push sampler to the Site. Continuous samples were collected and screened using a photoionization detector equipped with an 11.7 eV lamp. Boring logs are included in Attachment A.

A minimum of one sample from each boring was selected for laboratory analyses of volatile organic compounds ("VOCs"). As indicated in our approved work plan, several samples from the location nearest to former boring R-3 (R-101) were analyzed to obtain a better profile of concentration versus depth, in addition to selected samples from other locations.

Due to buried utilities and mechanical features, no samples could be collected to the west of sample R-3. However, based on Site features (e.g., door locations and dumpster placement), it is considered unlikely that material would have been discharged west of the air conditioning unit. Additionally, the sanitary sewer piping exits the building between sample locations R-2 and R-3 (see Figure 1), so it would not be a source of contaminants in the area west of R-2.

Laboratory analysis of the soil samples obtained from the Site generally indicate that elevated CVOC impacts are limited in extent to the north wall of the building, in the area of borings R-2, R-3 and R-103. Laboratory analysis of soil samples obtained from varying depths at borings advanced laterally from these locations indicate CVOC at significantly lesser concentrations. Soil samples have not, with one exception, been obtained from beneath the building (to the south/southwest). A soil sample was obtained from beneath a floor drain located at the northwest portion of the building, in the vicinity of the former equipment (see below). The results of the soil analyses are summarized in Table 1.

#### ***Drain Sample:***

Figure 2 shows the location of the floor drain relative to the former locations of dry cleaning machines. As the figure shows, the floor slopes toward the drain from all directions. The sewer line drains directly out the building to the north.

Another floor drain is located in the building. It is located approximately 15 feet to the southeast, outside of the "basin" formed by the sloping floor, and away from the former dry cleaning machines. Consequently, no samples were collected from that location.

The drain sample was collected by drilling a core through the concrete floor, and advancing a hand auger to a depth approximately 15 inches below the bend in the drain. The sample was placed in a laboratory-supplied jar and forwarded to the analytical lab for VOC analysis. A PCE concentration of 610  $\mu\text{g}/\text{kg}$  was detected in the sample (laboratory data sheet is included in Attachment B).

#### ***Site-Specific Residual Contaminant Levels***

Although no residual contaminant levels ("RCLs") for tetrachloroethene ("PCE") have been promulgated by the State of Wisconsin, RCLs were computed using the USEPA Soil Screening Level web site (worksheets are provided in Attachment C), with parameters modified in accordance with Wisconsin Administrative Code ch. NR 720 defaults. RCLs for PCE were calculated for ingestion, inhalation of fugitive dust and inhalation of volatiles, utilizing non-industrial parameters, with the following results:

Ingestion:	1.23 mg/kg
Inhalation of dust:	$3.23 \times 10^5$ mg/kg
Inhalation of volatiles:	2.1 mg/kg

Utilizing the above calculations and the results of the three rounds of soil sampling, RSV proposes a site-specific RCL of 1 mg/kg. Figure 3 depicts the area where the concentration of chlorinated VOCs in soils in excess of the 1 mg/kg RCL.

***Groundwater Sampling:***

While mobilized, groundwater elevations were measured at all Site monitor wells and a second round of groundwater samples were collected. While purging the well, a bailer dropped into well MW-2S and could not be retrieved at that time. Consequently, all wells were sampled at that time with the exception of MW-2S, which was sampled on August 30, when RSV returned to the Site to sample adjacent to the floor drain.

Historical groundwater levels are summarized in Table 2. Figure 4 shows the water table as measured on September 12, 2002. This map shows groundwater flow in a southerly direction. Figure 5 shows the water table as measured on August 30, 2004. At this time, the groundwater flow direction was comparable to that of 2002, but with a slight westerly component; however, the gradient was considerably less.

Groundwater sample analyses from 2002 and 2004 are summarized in Table 3. The laboratory data sheets are included in Attachment D. Essentially, groundwater quality has remained constant at the Site with respect to well MW-2S, where the PCE concentration in 2004 was an order of magnitude lower than in 2002.

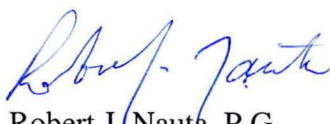
***Summary and Recommendation:***

The tasks completed in 2004 completed the delineation of impacts to soil and groundwater at the Site. At this time, there are no Enforcement Standard exceedances in groundwater, and a small area (less than 250 square feet) of soil has been impacted at concentrations greater than the 1 mg/kg site-specific RCL. This area of soil is not accessible for excavation and disposal. Additionally, due to below and above ground utilities as well as Site business activities, a soil vapor extraction system would not be possible. Therefore, RSV recommends that chemical injection be considered as an interim response for soil remediation at the Site.

If you have any questions or comments, please do not hesitate to contact us.

Sincerely,

**RSV ENGINEERING, INC.**



Robert J. Nauta, P.G.  
Senior Hydrogeologist

cc: Mr. Jeff Soellner – WDNR  
Ms. Marion Matteson – Robin, Inc.  
Ms. Sandy del Pizo – Reinhart Boerner

**TABLE 1**  
**SOIL LABORATORY ANALYSES**  
**ROBINSON'S CLEANERS**  
**1819 EAST MILWAUKEE STREET**  
**JANESVILLE, WISCONSIN**  
All concentrations in µg/kg

PARAMETER <sup>1</sup>	SAMPLE LOCATION AND DEPTH (FEET)							
	R-2	R-3	R-4	R-6	R-8	R-9	R-10	R-11
	8	2	15	4	12	15	8	15
cis-1,2-Dichloroethene	<b>5000</b>	<b>450</b>	<16	<16	<16	<16	<16	<16
Naphthalene	[73]	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	750	<b>30000</b>	[41]	<b>180</b>	<22	[26]	<22	<22
Trichloroethene	[30]	<b>760</b>	<23	<b>240</b>	<23	<23	<23	<23
Trichlorofluoromethane	<16	<16	<16	<16	<16	<16	<16	<16
PARAMETER <sup>1</sup>	SAMPLE LOCATION AND DEPTH (FEET)							
	R-12	B-1	B-1	B-2	B-3	B-4	B-4	B-5
	15	30	70	30	30	10	40	10
cis-1,2-Dichloroethene	<16	<16	<16	<16	<16	<16	<16	<16
Naphthalene	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<22	<22	<22	[54]	[36]	[39]	[26]	[65]
Trichloroethene	<23	<23	<23	<23	<23	<23	<23	<23
Trichlorofluoromethane	<16	<16	<16	<16	<b>74</b>	<b>60</b>	<b>140</b>	<b>87</b>
PARAMETER <sup>1</sup>	SAMPLE LOCATION AND DEPTH (FEET)							
	B-5	R-101	R-101	R-101	R-102	R-103	R-104	DRAIN <sup>2</sup>
	40	2 - 4	12 - 14	34 - 36	4 - 6	8 - 10	8 - 10	
cis-1,2-Dichloroethene	<16	<13	<13	<13	<13	<13	<13	<13
Naphthalene	<25	<20	<20	<20	<20	<20	<20	<20
Tetrachloroethene	[36]	<b>180</b>	<b>56</b>	[17]	<14	<b>1300</b>	<b>210</b>	<b>610</b>
Trichloroethene	<23	<15	<15	<15	<15	<15	<15	<15
Trichlorofluoromethane	<b>110</b>	<12	<12	<12	<12	<12	<12	<12

<sup>1</sup> Full VOC scan was completed; only parameters detected are shown in this table.

<sup>2</sup> Sample collected 15 inches below bend in drain. Sample yielded a detect of methylene chloride below the level of quantification, assumed to be a laboratory contaminant.

[ ] Indicates compound detected, but at a level below the quantification level.

**TABLE 2**  
**GROUNDWATER ELEVATIONS**  
**ROBINSON'S CLEANERS**  
**1819 EAST MILWAUKEE STREET**  
**JANESVILLE, WISCONSIN**

WELL	TOP OF CASING <sup>1</sup>	Sep-02		Aug-04	
		DTW <sup>2</sup>	GW ELEV <sup>3</sup>	DTW <sup>2</sup>	GW ELEV <sup>3</sup>
MW-1	99.22	82.65	16.57	84.54	14.68
MW-2S	102.12	85.79	16.33	87.58	14.54
MW-2D	102.22	85.90	16.32	87.68	14.54
MW-3	98.12	82.88	15.24	83.73	14.39

<sup>1</sup> Top of casing elevation in feet referenced to a local datum.

<sup>2</sup> Depth to water in feet below top of casing.

<sup>3</sup> Groundwater elevation in feet referenced to a local datum.

**TABLE 3**  
**GROUNDWATER LABORATORY ANALYSES**  
**ROBINSON'S CLEANERS**  
**1819 EAST MILWAUKEE STREET**  
**JANESVILLE, WISCONSIN**

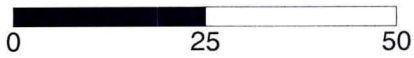
PARAMETER	MW-1		MW-2S		MW-2D		MW-3	
	Sep-02	Jun-04	Sep-02	Aug-04	Sep-02	Jun-04	Sep-02	Jun-04
<i>Volatile organic compounds<sup>1</sup> - all concentrations in µg/L:</i>								
Chloromethane	<0.29	[0.23]	<0.29	1.0	<0.29	0.48	<0.29	<0.14
cis-1,2-Dichloroethene	<0.28	<0.15	2.9	<0.40	<0.28	<0.15	<0.28	<0.15
Tetrachloroethene	1.6	2.0	15	3.3	1.7	<0.20	1.6	2.0
Trichloroethene	<0.29	<0.20	[0.32]	<0.25	<0.29	<0.20	<0.29	<0.20
<i>Field measurements<sup>2</sup>:</i>								
Dissolved oxygen (mg/L)		9.53		9.53				
pH	6.6		6.7		6.5		6.5	
Conductivity (µS)	720		700		700		700	
Temperature (°C)	14.7		14.5		14.1		16.0	
Oxidation reduction potential (mV)	50	199	45	199	45		60	

<sup>1</sup> Full VOC scan was completed; only parameters detected are shown in this table.

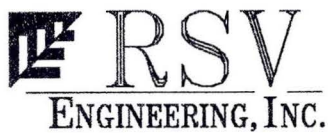
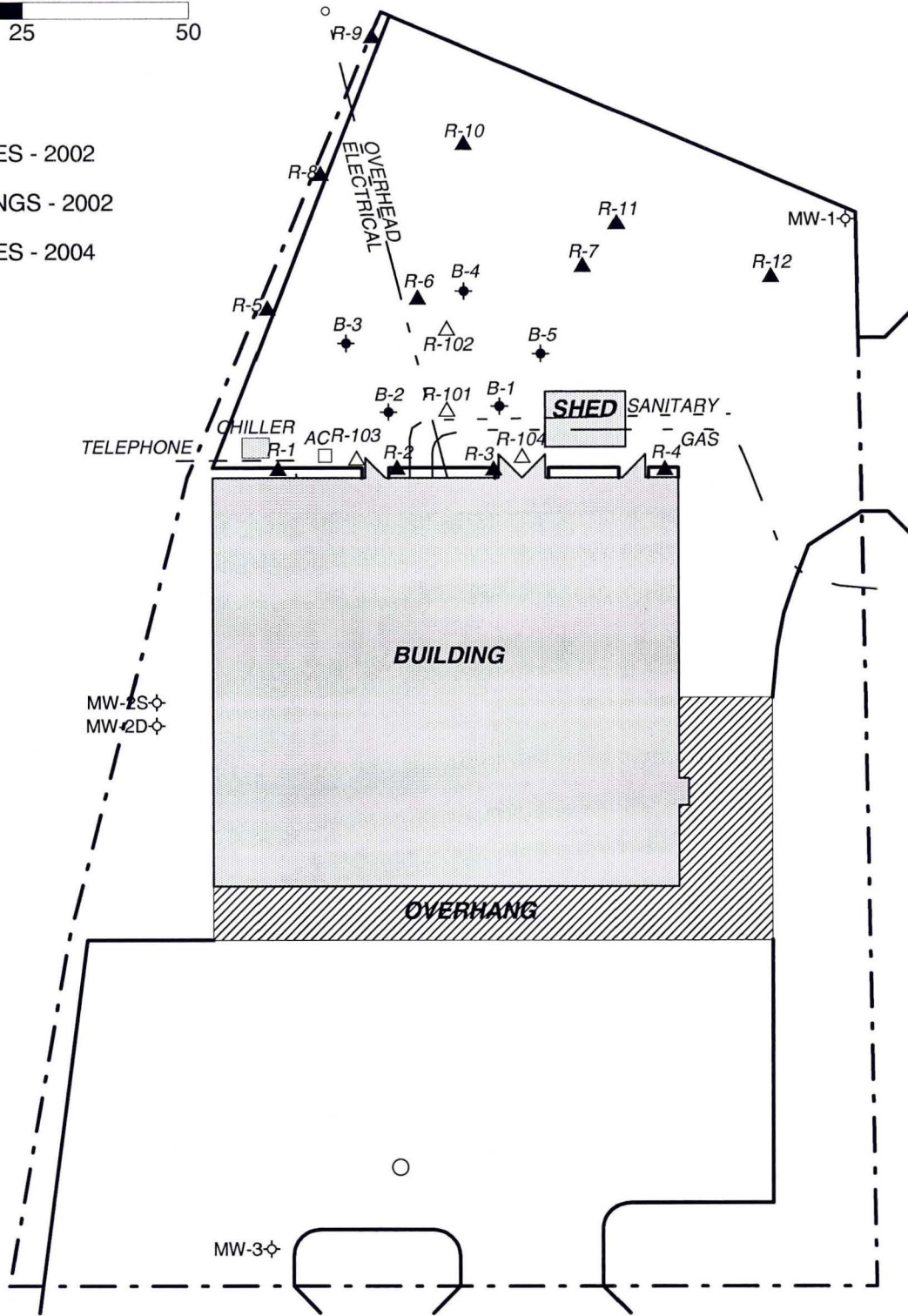
<sup>2</sup> Blank cells indicate that parameter was not analyzed.

[ ] Indicates compound detected, but at a level below the quantification level.

SCALE IN FEET



- ▲ GEOPROBES - 2002
- ◆ SOIL BORINGS - 2002
- △ GEOPROBES - 2004



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ROBINSON'S CLEANERS  
MILWAUKEE STREET  
JANESVILLE, WISCONSIN  
SOIL BORINGS

FIGURE  
1

DRAWN BY:

RN

CHECKED BY:

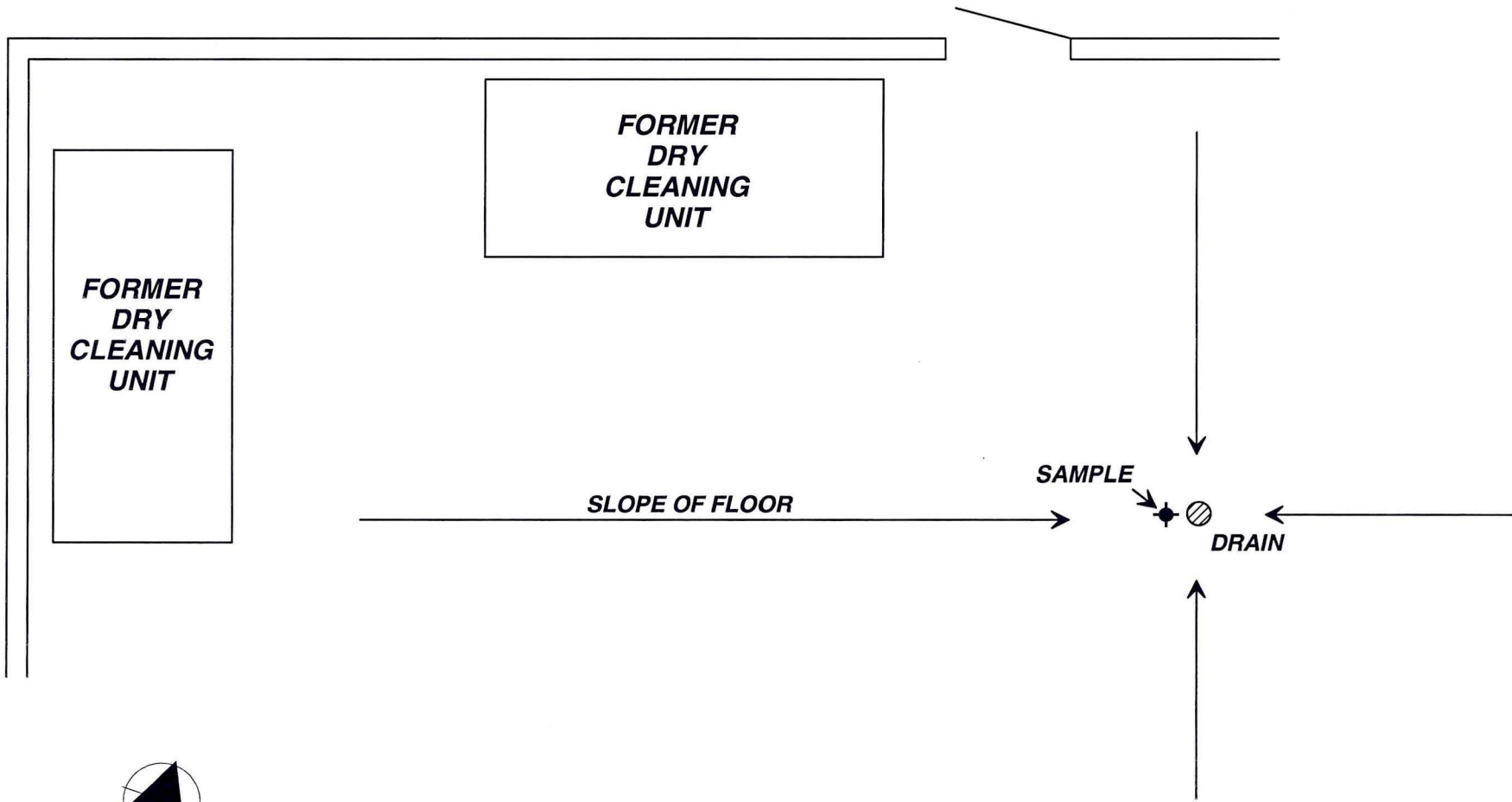
DATE DRAWN:

17 OCT 03

FILE NAME:

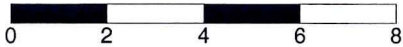
MKE ST SITE





NORTH

SCALE IN FEET



**RSV**  
ENGINEERING, INC.

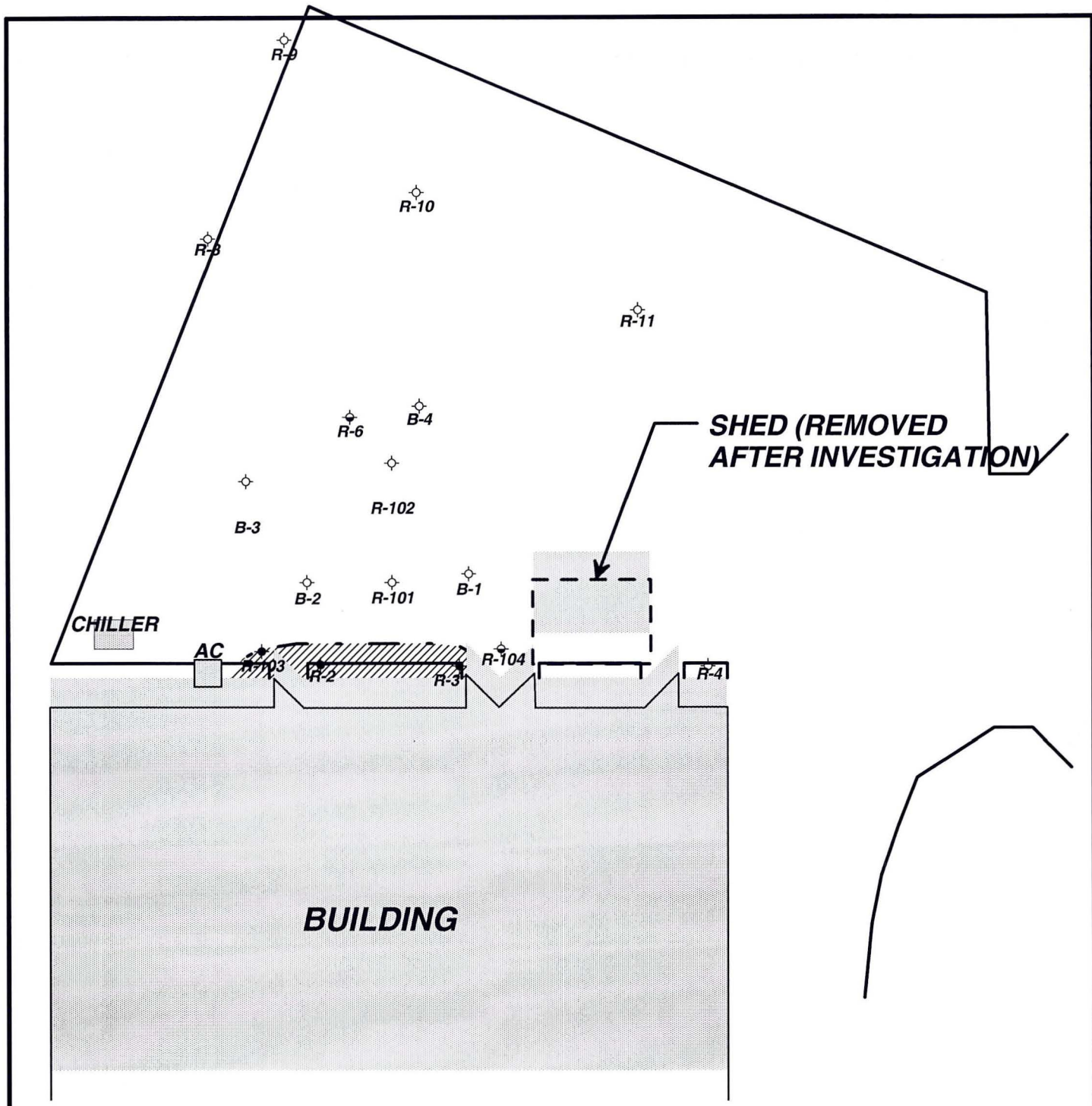
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ROBINSON'S CLEANERS  
MILWAUKEE STREET - JANESVILLE  
FLOOR DRAIN SAMPLE LOCATION

FIGURE

**2**

DRAWN BY:	PROJ. No.:	DATE DRAWN:	FILE NAME:
RN	03-085	05 OCT 04	FLOOR DRAIN



**SHED (REMOVED AFTER INVESTIGATION)**

**CHILLER**

**AC**

**R-103**

**R-2**

**R-3**

**R-104**

**R-4**

**B-3**

**R-6**

**B-4**

**R-102**

**B-2**

**R-101**

**B-1**

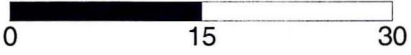
**R-9**

**R-10**

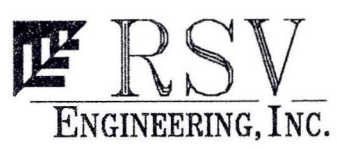
**R-11**

**BUILDING**

SCALE IN FEET



- ◇ SOIL SAMPLING - CVOC CONCENTRATION < 100 µg/kg
- ◆ SOIL SAMPLING - CVOC CONCENTRATION > 100 & < 1000 µg/kg
- ⊠ SOIL SAMPLING - CVOC CONCENTRATION > 1000 µg/kg
- ▨ AREA OF SOIL IMPACTS > 1 mg/kg

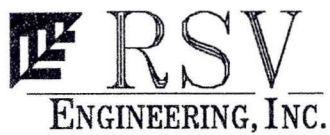
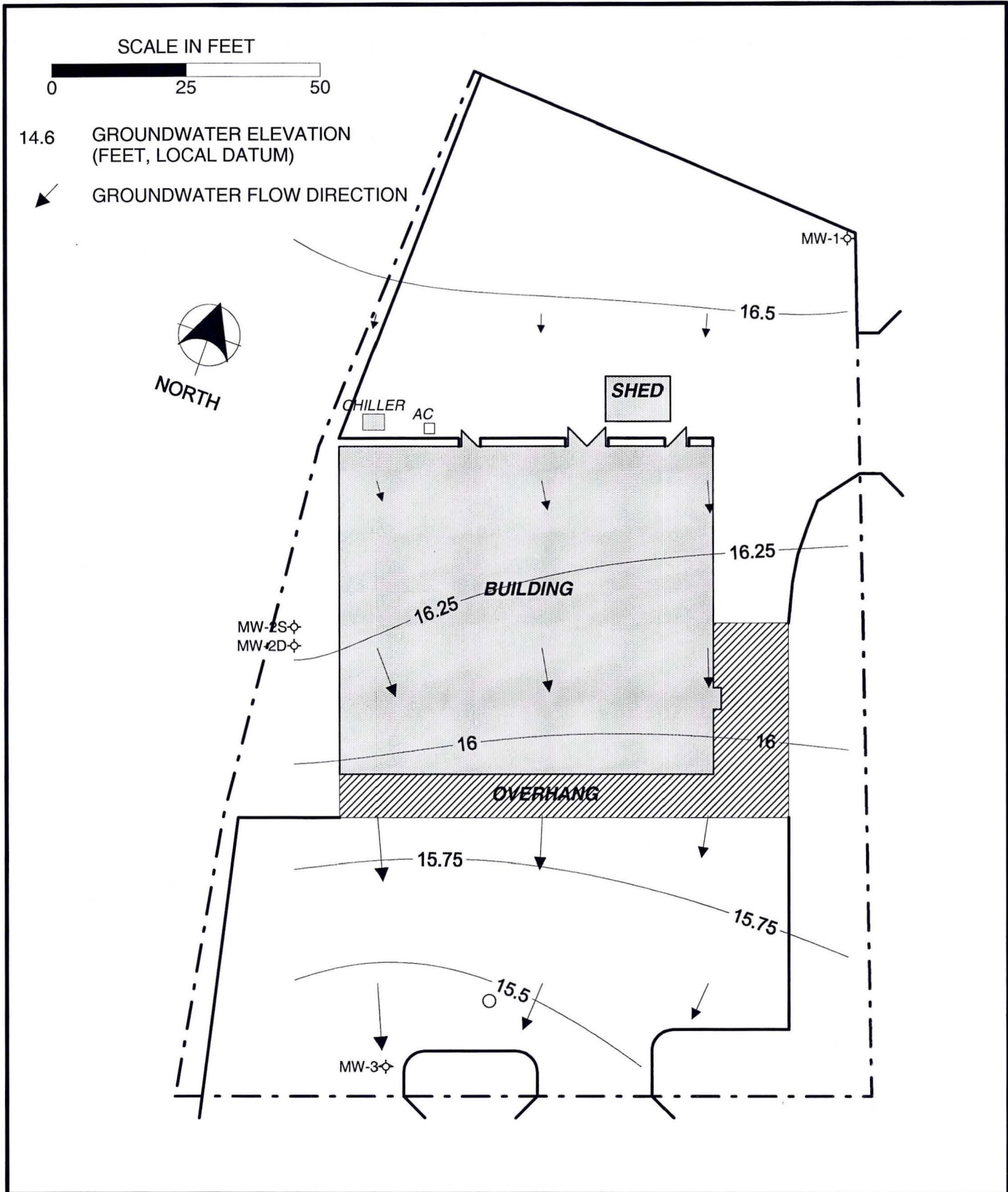


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ROBINSON'S CLEANERS  
 MILWAUKEE STREET  
 JANESVILLE, WISCONSIN  
 SUMMARY OF RESULTS OF SOIL ANALYSES

**FIGURE**  
**3**

DRAWN BY:	PROJ. No.:	DATE:	FILE NAME:
RN	03-085	29 SEP 04	SOIL SUMMARY

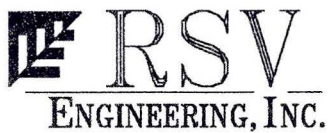
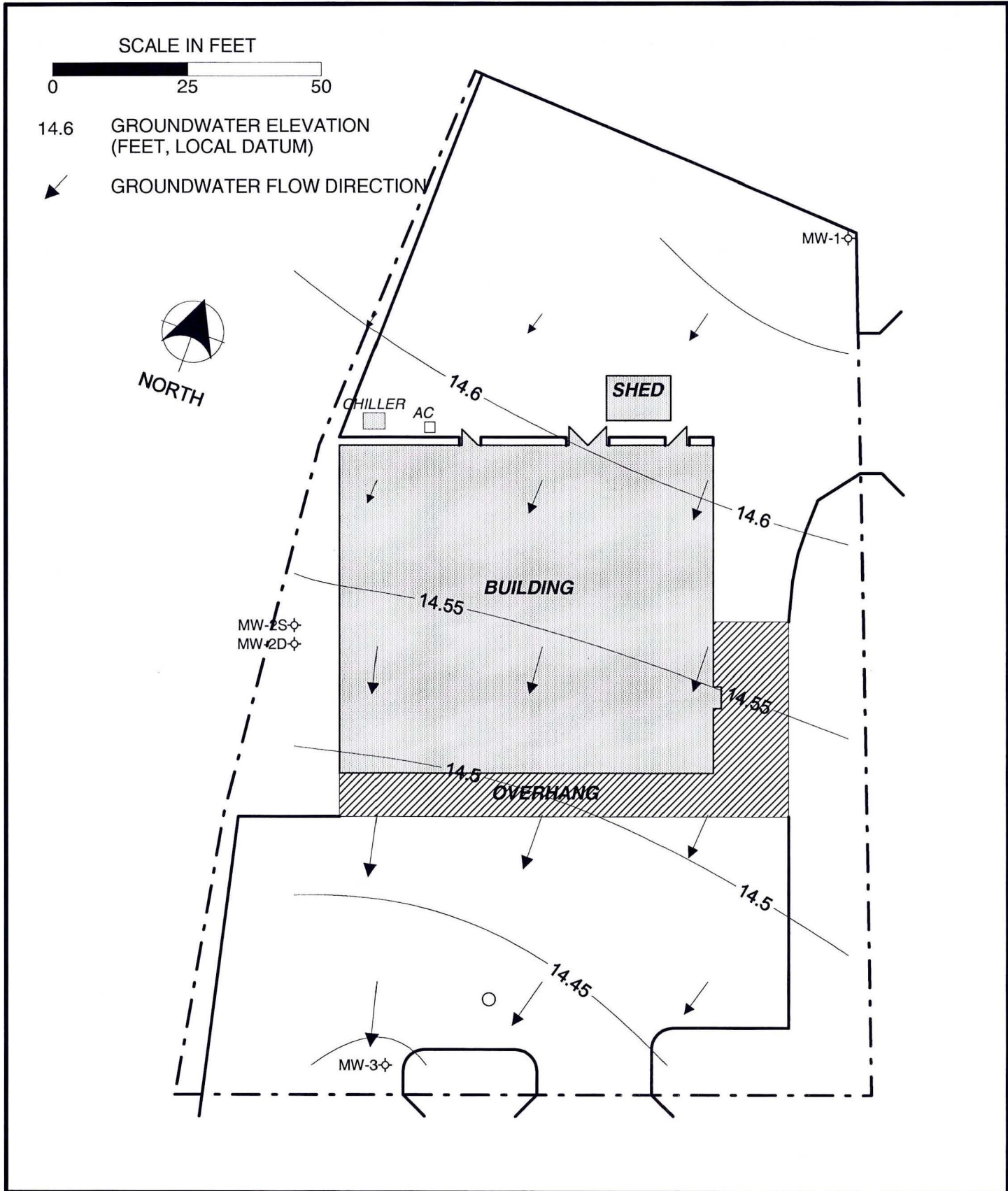


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ROBINSON'S CLEANERS  
MILWAUKEE STREET  
JANESVILLE, WISCONSIN  
WATER TABLE - SEPTEMBER 2002

FIGURE  
4

DRAWN BY:	PROJ. No.:	DATE:	FILE NAME:
RN	03-085	29 SEP 04	WT 0902



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ROBINSON'S CLEANERS  
MILWAUKEE STREET  
JANESVILLE, WISCONSIN  
WATER TABLE - AUGUST 2004

**FIGURE**  
**5**

DRAWN BY:	PROJ. No.:	DATE:	FILE NAME:
RN	03-085	29 SEP 04	WT 0804

Route To:

- Solid Waste
- Wastewater
- Emergency Response

- Haz. Waste
- Underground Tanks
- Water Resources
- Other \_\_\_\_\_

Page 1 of 2

Facility / Project Name <b>Robinson's Cleaners-Milwaukee St.</b>		License/Permit/Monitoring Number _____		Boring Number <b>R-101</b>	
Boring Drilled By (Firm name and name of crew chief) Soil Essentials, Inc Cory Johnson		Date Drilling Started <u>06</u> / <u>16</u> / <u>04</u> M M / D D / Y Y		Date Drilling Completed <u>06</u> / <u>16</u> / <u>04</u> M M / D D / Y Y	
DNR Facility Well No. _____		WI Unique Well No. _____		Common Well Name _____	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter <b>2.0</b> inches	
Boring Location State Plane _____ N. _____ E S/C/N NW 1/4 of SE 1/4 of Section <u>30</u> T <u>03</u> N, R <u>13</u> E		Lat _____ Long _____		Local Grid Location (If Applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	

County <b>Rock</b>	DNR County Code <u>5</u> <u>4</u>	Civil Town (City) or Village <b>Janesville</b>
-----------------------	--------------------------------------	---

Sample Number	Length Recovered (in)	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
27			0-3	asphalt	SP			1.4						
			3-10	SAND/GRAVEL base	ML									
			10-15	SILT clayey, moist, dark brown	CL									
			15-27	CLAY, moist, medium brown	CL									
33			0-15	as above	CL			0.1					Sample	
			15-30	as above, saturated	CL									
			30-33	SAND, m, saturated, dark brown	SP									
26			0-13	SAND, m-c, and GRAVEL, f-c, saturated, light brown	SW			0.6						
			13-22	SAND, m, very moist, light brown	SP									
			22-26	SAND, m-c, and GRAVEL, f-c, saturated, light brown	SW									
22			0-22	as above, f sand seam from 9-11"	SW			1.5					Sample	

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

Signature [Signature] Firm **RSV Engineering, Inc., Jefferson, WI**



Route To:

- Solid Waste
- Wastewater
- Emergency Response

- Haz. Waste
- Underground Tanks
- Water Resources
- Other \_\_\_\_\_

Page 1 of 2

Facility / Project Name <b>Robinson's Cleaners-Milwaukee St.</b>		License/Permit/Monitoring Number _____		Boring Number <b>R-102</b>	
Boring Drilled By (Firm name and name of crew chief) Soil Essentials, Inc Cory Johnson		Date Drilling Started <u>06</u> / <u>16</u> / <u>04</u> MM DD YY		Date Drilling Completed <u>06</u> / <u>16</u> / <u>04</u> MM DD YY	
DNR Facility Well No. _____		WI Unique Well No. _____		Common Well Name _____	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter <u>2.0</u> inches	
Boring Location State Plane _____ N. _____ E S/C/N NW 1/4 of SE 1/4 of Section <u>30</u> T <u>03</u> N, R <u>13</u> E		Lat _____ Long _____		Local Grid Location (If Applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W	
County <b>Rock</b>		DNR County Code <u>5</u> <u>4</u>		Civil Town/City or Village <b>Janesville</b>	

Sample Number	Length Recovered (in)	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
6			1-4	0-6 asphalt & base										
0			5-7	No recovery										
19			8-12	0-2 CLAY, moist, medium brown 2-19 SAND, m-c, and GRAVEL, f-c, moist, light brown	CL SW			0.1						
			11-12					0.2						
23			13-14	0-23 as above	SW			0.4						

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

Signature *Allen R. Knapp* Firm **RSV Engineering, Inc., Jefferson, WI**

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





Route To:

- Solid Waste
- Wastewater
- Emergency Response

- Haz. Waste
- Underground Tanks
- Water Resources
- Other \_\_\_\_\_

Page 1 of 1

Facility / Project Name <b>Robinson's Cleaners-Milwaukee St.</b>		License/Permit/Monitoring Number _____		Boring Number <b>R-102-2</b>	
Boring Drilled By (Firm name and name of crew chief) Soil Essentials, Inc Cory Johnson		Date Drilling Started <u>06</u> / <u>16</u> / <u>04</u> MM DD YY		Date Drilling Completed <u>06</u> / <u>16</u> / <u>04</u> MM DD YY	
DNR Facility Well No. _____		WI Unique Well No. _____		Common Well Name _____	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter <u>2.0</u> inches	
Boring Location State Plane _____ N. _____ E S/C/N NW 1/4 of SE 1/4 of Section <u>30</u> T <u>03</u> N, R <u>13</u> E		Lat _____ Long _____		Local Grid Location (If Applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W _____ Feet	
County <b>Rock</b>		DNR County Code <u>5</u> <u>4</u>		Civil Town (City) or Village <b>Janesville</b>	

Sample Number	Length Recovered (in)	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
33			0-11	asphalt & base										
			11-23	SILT, moist, dark brown	ML			0						
			23-33	CLAY, moist, medium brown	CL			0						
30			0-30	as above, softer & saturated below 19"	CL			0.1					sample	
			30-33					0						
			8-14	EOB 8'										

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

Signature *[Handwritten Signature]*

Firm **RSV Engineering, Inc., Jefferson, WI**

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

**SOIL BORING LOG INFORMATION**

Form 4400-122

7-91

Route To:

- Solid Waste
- Wastewater
- Emergency Response

- Haz. Waste
- Underground Tanks
- Water Resources
- Other \_\_\_\_\_

Page 1 of 2

Facility / Project Name <b>Robinson's Cleaners-Milwaukee St.</b>		License/Permit/Monitoring Number _____		Boring Number <b>R-103</b>	
Boring Drilled By (Firm name and name of crew chief) Soil Essentials, Inc Cory Johnson		Date Drilling Started <u>06</u> / <u>16</u> / <u>04</u> MM DD YY		Date Drilling Completed <u>06</u> / <u>16</u> / <u>04</u> MM DD YY	
DNR Facility Well No. _____		WI Unique Well No. _____		Common Well Name _____	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter <u>2.0</u> inches	
Boring Location State Plane _____ N. _____ E S/C/N NW 1/4 of SE 1/4 of Section <u>30</u> T <u>03</u> N, R <u>13</u> E		Lat _____ Long _____		Local Grid Location (If Applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W _____ Feet	

County <b>Rock</b>	DNR County Code <u>5</u> <u>4</u>	Civil Town <u>City</u> or Village <b>Janesville</b>
-----------------------	--------------------------------------	--

Sample Number	Length Recovered (in)	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
22			1	0-7 stones, asphalt & base	ML			39						
			2	7-19 SILT, moist, dark brown	CL									
37			3	19-22 CLAY, moist, medium brown				9						
			4											
			5	0-21 as above	CL									
21			6	21-36 CLAY, saturated, medium brown	CL			4						
			7	36-37 SAND, m, saturated, dark brown	SP									
23			8					3.8						
			9	0-21 SAND, m-c, and GRAVEL, f-c, less gravel below 14", moist, light brown	SW									
21			10					8						sample
			11											
23			12					5						
			13	0-23 SAND, m-c, and GRAVEL, f-c, moist, light brown	SW									
			14					1.0						

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

Signature *Allen A. Ruff* Firm **RSV Engineering, Inc., Jefferson, WI**

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



Route To:

- Solid Waste
- Wastewater
- Emergency Response

- Haz. Waste
- Underground Tanks
- Water Resources
- Other \_\_\_\_\_

Page 1 of 2

Facility / Project Name <b>Robinson's Cleaners-Milwaukee St.</b>		License/Permit/Monitoring Number _____		Boring Number <b>R-104</b>	
Boring Drilled By (Firm name and name of crew chief) <b>Soil Essentials, Inc Cory Johnson</b>		Date Drilling Started <u>06</u> / <u>16</u> / <u>04</u> MM DD YY		Date Drilling Completed <u>06</u> / <u>16</u> / <u>04</u> MM DD YY	
DNR Facility Well No. _____		WI Unique Well No. _____		Common Well Name _____	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter <u>2.0</u> inches	
Boring Location State Plane _____ N. _____ E S/C/N <u>NW</u> 1/4 of <u>SE</u> 1/4 of Section <u>30</u> T <u>03</u> N, R <u>13</u> E		Lat _____ Long _____		Local Grid Location (If Applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W	

County <b>Rock</b>	DNR County Code <u>5</u> <u>4</u>	Civil Town/City/Village <b>Janesville</b>
-----------------------	--------------------------------------	--

Sample Number	Length Recovered (in)	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
24			0-7	asphalt & base				0.9						
			7-14	SILT, moist, dark brown	ML									
			14-24	CLAY, moist, medium brown	CL									
37			0-16	as above	CL		0.4							
			16-31	CLAY, saturated, medium brown	CL									
			31-37	SAND, m-c, dark brown	SW									
23			0-23	SAND, m-c, and GRAVEL, f-c. m sand (no gravel) from 15-21", moist, light brown	SW		0.8					sample		
					SP									
					SW									
24			0-24	as above. m sand (no gravel) from 18-21", moist, light brown	SW		0							
					SP									
					SW									

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

Signature *[Signature]* Firm **RSV Engineering, Inc., Jefferson, WI**



NORTHERN LAKE SERVICE, INC.  
 Analytical Laboratory and Environmental Services  
 400 North Lake Avenue - Crandon, WI 54520  
 Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460  
 WDATCP Laboratory Certification No. 105 000330  
 EPA Laboratory ID No. WI00034

Printed: 07/24/02 Code: S Page 1 of 2

Client: URS Corporation (Madison)  
 Attn: Bob Nauta  
 5250 East Terrace Drive  
 Madison, WI 53718

NLS Project: 67705

NLS Customer: 91207

Project: Robinson Cleaners 51279-002

**Soil, Robin-2 8' NLS ID: 286354**

Ref. Line COC 103805 Soil, Robin-2 8' Matrix: SO  
 Collected: 07/12/02 08:25 Received: 07/16/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	78.8	%	1	0.10*		07/17/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			07/23/02	SW846 8260	721026460

**Soil, Robin-8-12 NLS ID: 286355**

Ref. Line COC 103805 Soil, Robin-8-12 Matrix: SO  
 Collected: 07/12/02 12:00 Received: 07/16/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	96.6	%	1	0.10*		07/17/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			07/22/02	SW846 8260	721026460

**Soil, Robin-3-2 NLS ID: 286356**

Ref. Line COC 103805 Soil, Robin-3-2 Matrix: SO  
 Collected: 07/12/02 12:15 Received: 07/16/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	78.2	%	1	0.10*		07/17/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			07/23/02	SW846 8260	721026460

**Soil, Robin-4-15 NLS ID: 286357**

Ref. Line COC 103805 Soil, Robin-4-15 Matrix: SO  
 Collected: 07/12/02 12:30 Received: 07/16/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	96.8	%	1	0.10*		07/17/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			07/23/02	SW846 8260	721026460

**Soil, Robin-6-4 NLS ID: 286358**

Ref. Line COC 103805 Soil, Robin-6-4 Matrix: SO  
 Collected: 07/12/02 12:45 Received: 07/16/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	79.9	%	1	0.10*		07/17/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			07/22/02	SW846 8260	721026460

**Soil, Robin-9-15 NLS ID: 286359**

Ref. Line COC 103805 Soil, Robin-9-15 Matrix: SO  
 Collected: 07/12/02 13:00 Received: 07/16/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	96.2	%	1	0.10*		07/17/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			07/22/02	SW846 8260	721026460

NORTHERN LAKE SERVICE, INC.  
 Analytical Laboratory and Environmental Services  
 400 North Lake Avenue - Crandon, WI 54520  
 Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460  
 WDATCP Laboratory Certification No. 105 000330  
 EPA Laboratory ID No. WI00034

Printed: 07/24/02 Code: S Page 2 of 2

Client: URS Corporation (Madison)  
 Attn: Bob Nauta  
 5250 East Terrace Drive  
 Madison, WI 53718

NLS Project: 67705

NLS Customer: 91207

Project: Robinson Cleaners 51279-002

**Soil, Robin-10-8 NLS ID: 286360**

Ref. Line COC 103805 Soil, Robin-10-8 Matrix: SO  
 Collected: 07/12/02 13:15 Received: 07/16/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	78.4	%	1	0.10*		07/17/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			07/22/02	SW846 8260	721026460

**Soil, Robin-11-15 NLS ID: 286361**

Ref. Line COC 103805 Soil, Robin-11-15 Matrix: SO  
 Collected: 07/12/02 13:30 Received: 07/16/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	97.2	%	1	0.10*		07/17/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			07/22/02	SW846 8260	721026460

**Soil, Robin-12-15 NLS ID: 286362**

Ref. Line COC 103805 Soil, Robin-12-15 Matrix: SO  
 Collected: 07/12/02 13:45 Received: 07/16/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	97.3	%	1	0.10*		07/17/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			07/22/02	SW846 8260	721026460

**MeOH Blank NLS ID: 286363**

Ref. Line COC 103805 MeOH Blank Matrix: TB  
 Collected: 07/12/02 00:00 Received: 07/16/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (solid) by EPA 8260	see attached		-			07/22/02	SW846 8260	721026460

Values in brackets represent results greater than the LOD but less than or equal to the LOQ and are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(\*) are considered Reporting Limits.

LOD = Limit of Detection      LOQ = Limit of Quantitation      ND = Not Detected      1000 ug/L = 1 mg/L  
 DWB = Dry Weight Basis      NA = Not Applicable      %DWB = (mg/kg DWB) / 10000

Reviewed by: Jerry R. Boek      Authorized by:  
 R. T. Krueger  
 President

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 1 of 20

Customer: URS Corporation (Madison)

NLS Project: 67705

Project Description: Robinson Cleaners

Project Title: 51279-002

Template: SATS

Sample: 286354 Soil, Robin-2 8'

Collected: 07/12/02

Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	5000	ug/kg	2.5	40	130
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	[73]	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	750	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	[30]	ug/kg	1	23	78



## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 2 of 20

Customer: URS Corporation (Madison)      NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002                      Template: SATS

Sample: 286354      Soil, Robin-2 8'

Collected: 07/12/02

Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	101%				
Toluene-d8 (SURR**)	113%				
1-Bromo-4-Fluorobenzene (SURR**)	105%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 3 of 20

Customer: URS Corporation (Madison) NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002 Template: SATS

Sample: 286355 Soil, Robin-8-12 Collected: 07/12/02 Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	ND	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 4 of 20

Customer: URS Corporation (Madison) NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002 Template: SATS

Sample: 286355 Soil, Robin-8-12 Collected: 07/12/02 Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	103%				
Toluene-d8 (SURR**)	114%				
1-Bromo-4-Fluorobenzene (SURR**)	98%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 5 of 20

Customer: URS Corporation (Madison)

NLS Project: 67705

Project Description: Robinson Cleaners

Project Title: 51279-002

Template: SATS

Sample: 286356

Soil, Robin-3-2

Collected: 07/12/02

Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	450	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	30000	ug/kg	20	440	1500
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	760	ug/kg	1	23	78

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002 Template: SATS

Sample: 286356 Soil, Robin-3-2 Collected: 07/12/02 Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	106%				
Toluene-d8 (SURR**)	117%				
1-Bromo-4-Fluorobenzene (SURR**)	113%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison)

NLS Project: 67705

Project Description: Robinson Cleaners

Template: SATS

Project Title: 51279-002

Sample: 286357

Soil, Robin-4-15

Collected: 07/12/02

Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	[41]	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)**

Customer: URS Corporation (Madison)      NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002                      Template: SATS

Sample: 286357      Soil, Robin-4-15                      Collected: 07/12/02                      Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	105%				
Toluene-d8 (SURR**)	117%				
1-Bromo-4-Fluorobenzene (SURR**)	110%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002 Template: SATS

Sample: 286358 Soil, Robin-6-4 Collected: 07/12/02 Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	180	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	240	ug/kg	1	23	78



## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002 Template: SATS

Sample: 286358 Soil, Robin-6-4 Collected: 07/12/02 Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	97%				
Toluene-d8 (SURR**)	109%				
1-Bromo-4-Fluorobenzene (SURR**)	92%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705

Project Description: Robinson Cleaners

Project Title: 51279-002

Template: SATS

Sample: 286359

Soil, Robin-9-15

Collected: 07/12/02

Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	[26]	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002 Template: SATS

Sample: 286359 Soil, Robin-9-15 Collected: 07/12/02 Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	95%				
Toluene-d8 (SURR**)	114%				
1-Bromo-4-Fluorobenzene (SURR**)	102%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002 Template: SATS

Sample: 286360 Soil, Robin-10-8 Collected: 07/12/02 Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	ND	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705  
Project Description: Robinson Cleaners  
Project Title: 51279-002 Template: SATS

Sample: 286360 Soil, Robin-10-8 Collected: 07/12/02 Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	100%				
Toluene-d8 (SURR**)	110%				
1-Bromo-4-Fluorobenzene (SURR**)	110%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002 Template: SATS

Sample: 286361 Soil, Robin-11-15 Collected: 07/12/02 Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromofom	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	ND	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705

Project Description: Robinson Cleaners

Project Title: 51279-002

Template: SATS

Sample: 286361 Soil, Robin-11-15

Collected: 07/12/02

Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	97%				
Toluene-d8 (SURR**)	111%				
1-Bromo-4-Fluorobenzene (SURR**)	108%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705  
 Project Description: Robinson Cleaners  
 Project Title: 51279-002 Template: SATS

Sample: 286362 Soil, Robin-12-15 Collected: 07/12/02 Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	ND	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78



## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705

Project Description: Robinson Cleaners

Project Title: 51279-002

Template: SATS

Sample: 286362 Soil, Robin-12-15

Collected: 07/12/02

Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	106%				
Toluene-d8 (SURR**)	103%				
1-Bromo-4-Fluorobenzene (SURR**)	111%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705

Project Description: Robinson Cleaners

Project Title: 51279-002

Template: SATS

Sample: 286363

MeOH Blank

Collected: 07/12/02

Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	ND	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 67705  
Project Description: Robinson Cleaners  
Project Title: 51279-002 Template: SATS

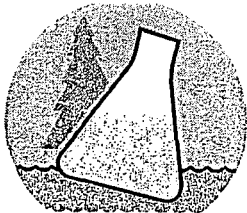
Sample: 286363 MeOH Blank

Collected: 07/12/02

Analyzed: 07/22/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	97%				
Toluene-d8 (SURR**)	108%				
1-Bromo-4-Fluorobenzene (SURR**)	99%				

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



# NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 103805

## SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Underground Storage Tank Projects  
Wisconsin Lab Cert. No. 721026460

RETURN THIS FORM WITH SAMPLES.

ENTER OTHER PARAMETERS-CHECK BELOW IF FIELD FILTERED

CLIENT <b>URS</b>			PROJECT TITLE <b>ROBINSON CLEANERS</b>		
ADDRESS <b>5250 E. TERRACE DR. STE I</b>			PROJECT NO. <b>51279-002</b>		QUOTATION NO. <b>101781</b>
CITY <b>MADISON</b>	STATE <b>WI</b>	ZIP <b>53710</b>	CONTACT <b>BOB NAUTA</b>	PHONE <b>608-244-5656</b>	

SAMPLE ID	COLLECTION DATE	COLLECTION TIME	SAMPLE TYPE	GRO	PVOC	DRØ	VOC	PAH	OTHER PARAMETERS															
							<del>9021</del>																	
286354	7/12	0825	SOIL				X																	
286355		1200																						
286356		1215																						
286357		1230																						
286358		1245																						
286359		1300																						
286360		1315																						
286361		1330																						
286362		1345																						
286363			Trip Blank																					

COLLECTED BY (signature) <i>[Signature]</i>	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature) <i>[Signature]</i>	RECEIVED BY (signature)	DATE/TIME 7/15/02 / 1300
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

RECEIVED AT NLS BY (signature) <i>[Signature]</i>	DATE/TIME 7/16/02 13:15	CONDITION Dried	TEMP.
SEAL INTACT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	SEAL #	REMARKS & OTHER INFORMATION CALL BOB NAUTA FOR ANALYTICAL METHOD	
SAMPLE TYPE GW=groundwater, WW=waste water, DW=drinking water, S=soil <i>[Signature]</i>			

INVOICE TO

34-73

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

ORIGINAL COPY

NORTHERN LAKE SERVICE, INC.  
 Analytical Laboratory and Environmental Services  
 400 North Lake Avenue - Grandon, WI 54520  
 Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460  
 WDATCP Laboratory Certification No. 105 000330  
 EPA Laboratory ID No. WI00034

Printed: 09/10/02 Code: S Page 1 of 2

Client: URS Corporation (Madison)  
 Attn: Bob Nauta  
 5250 East Terrace Drive  
 Madison, WI 53718

NLS Project: 68691

NLS Customer: 91207

Project: Robinson Cleaners

**Soil, B-1 30' NLS ID: 290047**

Ref. Line 1 COC 57056 Soil, B-1 30' Matrix: SO  
 Collected: 08/23/02 09:50 Received: 08/30/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	96.6	%	1	0.10*		09/03/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			09/06/02	SW846 8260	721026460

**Soil, B-1 70' NLS ID: 290048**

Ref. Line 2 COC 57056 Soil, B-1 70' Matrix: SO  
 Collected: 08/23/02 11:30 Received: 08/30/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	95.9	%	1	0.10*		09/03/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			09/06/02	SW846 8260	721026460

**Soil, B-2 30' NLS ID: 290049**

Ref. Line 3 COC 57056 Soil, B-2 30' Matrix: SO  
 Collected: 08/26/02 14:00 Received: 08/30/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	96.8	%	1	0.10*		09/03/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			09/06/02	SW846 8260	721026460

**Soil, B-3 30' NLS ID: 290050**

Ref. Line 4 COC 57056 Soil, B-3 30' Matrix: SO  
 Collected: 08/21/02 14:10 Received: 08/30/02

Notes: Noncompliance: Sample(s) received beyond EPA holding time for: % Solids.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	96.0	%	1	0.10*		09/03/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			09/09/02	SW846 8260	721026460

**Soil, B-4 10' NLS ID: 290051**

Ref. Line 5 COC 57056 Soil, B-4 10' Matrix: SO  
 Collected: 08/21/02 11:30 Received: 08/30/02

Notes: Noncompliance: Sample(s) received beyond EPA holding time for: % Solids.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	94.7	%	1	0.10*		09/03/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			09/09/02	SW846 8260	721026460

**Soil, B-4 40' NLS ID: 290052**

Ref. Line 6 COC 57056 Soil, B-4 40' Matrix: SO  
 Collected: 08/21/02 11:55 Received: 08/30/02

Notes: Noncompliance: Sample(s) received beyond EPA holding time for: % Solids.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	97.3	%	1	0.10*		09/03/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			09/09/02	SW846 8260	721026460

NORTHERN LAKE SERVICE, INC.  
 Analytical Laboratory and Environmental Services  
 400 North Lake Avenue - Crandon, WI 54520  
 Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460  
 WDATCP Laboratory Certification No. 105 000330  
 EPA Laboratory ID No. WI00034

Printed: 09/10/02 Code: S Page 2 of 2

Client: URS Corporation (Madison)  
 Attn: Bob Nauta  
 5250 East Terrace Drive  
 Madison, WI 53718

NLS Project: 68691

Project: Robinson Cleaners

NLS Customer: 91207

**Soil, B-5 10' NLS ID: 290053**

Ref. Line 7 COC 57056 Soil, B-5 10' Matrix: SO

Collected: 08/21/02 09:10 Received: 08/30/02

Notes: Noncompliance: Sample(s) received beyond EPA holding time for: % Solids.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	96.4	%	1	0.10*		09/03/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			09/09/02	SW846 8260	721026460

**Soil, B-5 40' NLS ID: 290054**

Ref. Line 8 COC 57056 Soil, B-5 40' Matrix: SO

Collected: 08/21/02 09:35 Received: 08/30/02

Notes: Noncompliance: Sample(s) received beyond EPA holding time for: % Solids.

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	97.2	%	1	0.10*		09/03/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached		-			09/09/02	SW846 8260	721026460

**MeOH Blank NLS ID: 290055**

Ref. Line COC 57056 MeOH Blank Matrix: TB

Collected: 08/21/02 00:00 Received: 08/30/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (solid) by EPA 8260	see attached		-			09/09/02	SW846 8260	721026460

Values in brackets represent results greater than the LOD but less than or equal to the LOQ and are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(\*) are considered Reporting Limits.

LOD = Limit of Detection      LOQ = Limit of Quantitation      ND = Not Detected      1000 ug/L = 1 mg/L  
 DWB = Dry Weight Basis      NA = Not Applicable      %DWB = (mg/kg DWB) / 10000

Reviewed by: Jerry R. Boek Authorized by: R. T. Krueger  
 President

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 2 of 18

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290047 Soil, B-1 30'

Collected: 08/23/02

Analyzed: 09/06/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	96%				
Toluene-d8 (SURR**)	101%				
1-Bromo-4-Fluorobenzene (SURR**)	88%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 3 of 18

Customer: URS Corporation (Madison) NLS Project: 68691  
 Project Description: Robinson Cleaners  
 Project Title: Template: SATS

Sample: 290048 Soil, B-1 70' Collected: 08/23/02 Analyzed: 09/06/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	ND	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78



## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290048 Soil, B-1 70'

Collected: 08/23/02

Analyzed: 09/06/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	103%				
Toluene-d8 (SURR**)	107%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691  
 Project Description: Robinson Cleaners  
 Project Title: Template: SATS

Sample: 290049 Soil, B-2 30' Collected: 08/26/02 Analyzed: 09/06/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	[54]	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290049 Soil, B-2 30'

Collected: 08/26/02

Analyzed: 09/06/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	100%				
Toluene-d8 (SURR**)	97%				
1-Bromo-4-Fluorobenzene (SURR**)	83%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290050 Soil, B-3 30'

Collected: 08/21/02

Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	[36]	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290050 Soil, B-3 30'

Collected: 08/21/02

Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	74	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	97%				
Toluene-d8 (SURR**)	106%				
1-Bromo-4-Fluorobenzene (SURR**)	108%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290051 Soil, B-4 10' Collected: 08/21/02 Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	[39]	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290051 Soil, B-4 10'

Collected: 08/21/02

Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	60	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	98%				
Toluene-d8 (SURR**)	108%				
1-Bromo-4-Fluorobenzene (SURR**)	104%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290052 Soil, B-4 40'

Collected: 08/21/02

Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	[26]	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78



## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290052 Soil, B-4 40' Collected: 08/21/02 Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	140	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	103%				
Toluene-d8 (SURR**)	111%				
1-Bromo-4-Fluorobenzene (SURR**)	108%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title:

Template: SATS

Sample: 290053 Soil, B-5 10'

Collected: 08/21/02

Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	[65]	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290053 Soil, B-5 10'

Collected: 08/21/02

Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	87	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	105%				
Toluene-d8 (SURR**)	111%				
1-Bromo-4-Fluorobenzene (SURR**)	105%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 15 of 18

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title:

Template: SATS

Sample: 290054 Soil, B-5 40'

Collected: 08/21/02

Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	[36]	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 16 of 18

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290054 Soil, B-5 40'

Collected: 08/21/02

Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	110	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	100%				
Toluene-d8 (SURR**)	105%				
1-Bromo-4-Fluorobenzene (SURR**)	102%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 17 of 18

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290055 MeOH Blank Collected: 08/21/02 Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	17	54
Bromochloromethane	ND	ug/kg	1	22	73
Bromodichloromethane	ND	ug/kg	1	15	52
Bromoform	ND	ug/kg	1	19	68
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	22	72
sec-Butylbenzene	ND	ug/kg	1	21	68
tert-Butylbenzene	ND	ug/kg	1	12	39
Carbon Tetrachloride	ND	ug/kg	1	21	72
Chlorobenzene	ND	ug/kg	1	11	35
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	20	68
Chloromethane	ND	ug/kg	1	14	48
2-Chlorotoluene	ND	ug/kg	1	11	37
4-Chlorotoluene	ND	ug/kg	1	23	78
Dibromochloromethane	ND	ug/kg	1	18	64
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79
1,2-Dibromoethane	ND	ug/kg	1	19	65
Dibromomethane	ND	ug/kg	1	21	71
1,2-Dichlorobenzene	ND	ug/kg	1	19	63
1,3-Dichlorobenzene	ND	ug/kg	1	14	50
1,4-Dichlorobenzene	ND	ug/kg	1	17	58
Dichlorodifluoromethane	ND	ug/kg	1	14	48
1,1-Dichloroethane	ND	ug/kg	1	19	62
1,2-Dichloroethane	ND	ug/kg	1	21	66
1,1-Dichloroethene	ND	ug/kg	1	21	71
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53
trans-1,2-Dichloroethene	ND	ug/kg	1	24	80
1,2-Dichloropropane	ND	ug/kg	1	12	40
1,3-Dichloropropane	ND	ug/kg	1	15	50
2,2-Dichloropropane	ND	ug/kg	1	19	62
1,1-Dichloropropene	ND	ug/kg	1	14	49
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51
trans-1,3-Dichloropropene	ND	ug/kg	1	15	51
Ethylbenzene	ND	ug/kg	1	20	68
Hexachlorobutadiene	ND	ug/kg	1	23	76
Isopropylbenzene	ND	ug/kg	1	20	70
p-Isopropyltoluene	ND	ug/kg	1	21	71
Methylene chloride	ND	ug/kg	1	14	46
Naphthalene	ND	ug/kg	1	25	79
n-Propylbenzene	ND	ug/kg	1	15	55
ortho-Xylene	ND	ug/kg	1	23	80
Styrene	ND	ug/kg	1	19	66
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35
Tetrachloroethene	ND	ug/kg	1	22	77
Toluene	ND	ug/kg	1	21	71
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79
1,1,1-Trichloroethane	ND	ug/kg	1	12	38
1,1,2-Trichloroethane	ND	ug/kg	1	24	80
Trichloroethene	ND	ug/kg	1	23	78

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)**

Customer: URS Corporation (Madison)      NLS Project: 68691  
 Project Description: Robinson Cleaners  
 Project Title:                                      Template: SATS

Sample: 290055      MeOH Blank                                      Collected: 08/21/02      Analyzed: 09/09/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	1	16	53
Dibromofluoromethane (SURR**)	98%				
Toluene-d8 (SURR**)	110%				
1-Bromo-4-Fluorobenzene (SURR**)	107%				

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

**SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD**

**NORTHERN LAKE SERVICE, INC.**

NO. 57056

Wisconsin Lab Cert. No. 721026460

Analytical Laboratory and Environmental Services  
400 North Lake Avenue • Crandon, WI 54520-1298  
Tel: (715) 478-2777 • Fax: (715) 478-3060

CLIENT <b>URS</b>	
ADDRESS <b>5250 E TERRACE STE I</b>	
CITY <b>MADISON</b>	STATE <b>WI</b>
ZIP <b>53718</b>	
PROJECT DESCRIPTION / NO. <b>ROBINSON CLEANERS</b>	QUOTATION NO.
CONTACT <b>BOB NAUTA</b>	PHONE <b>608.244.5656</b>
PURCHASE ORDER NO.	FAX <b>608.244.1779</b>

**MATRIX:**  
SW = surface water  
WW = waste water  
GW = groundwater  
TIS = tissue  
AIR = air  
DW = drinking water  
SOIL = soil  
SED = sediment  
PROD = product  
SL = sludge  
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.  
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS  
**VOC-8260**



5-9-9-02

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION		MATRIX	ANALYZE PER ORDER OF ANALYSIS										COLLECTION REMARKS				
			DATE	TIME																
1.	290047	B-1	30 FT	8/23	0950	SOIL		X												
2.	290048	B-1	70 FT	8/23	1130			X												
3.	290049	B-2	30 FT	8/26	1400			X												
4.	290050	B-3	30 FT	8/21	1410			X												
5.	290051	B-4	40 FT	8/21	1130			X												
6.	290052	B-4	40 FT	8/21	1155			X												
7.	290053	B-5	10 FT	8/21	0910			X												
8.	290054	B-5	40 FT	8/21	0935	↓		X												
9.	290055																			
10.																				

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
PRESERVATIVE:	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

INVOICE TO

- IMPORTANT:**
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.
  2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
  3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
  4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.



NORTHERN LAKE SERVICE, INC.  
Analytical Laboratory and Environmental Services  
400 North Lake Avenue - Crandon, WI 54520  
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

RECEIVED SEP 07 2004

WDNR Laboratory ID No. 721026460  
WDATCP Laboratory Certification No. 105-330  
EPA Laboratory ID No. WI00034

Printed: 09/02/04 Code: S Page 1 of 1

Client: RSV Engineering Inc  
Attn: Robert Nauta  
112 South Main Street  
P O Box 298  
Jefferson, WI 53549 0298

NLS Project: 83961

NLS Customer: 83681

Fax: 920 674 3481 Phone: 920 674 3411

Project: Robinson's 03-085

**Soil, Drain NLS ID: 348532**

Ref. Line COC 104785 Soil, Drain Matrix: SO  
Collected: 08/30/04 08:30 Received: 08/31/04

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.4	%	1	0.10*		09/01/04	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached					09/01/04	SW846 8260	721026460

**MW-2S NLS ID: 348533**

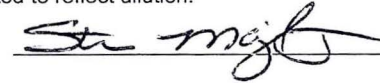
Ref. Line COC 104785 MW-2S Matrix: GW  
Collected: 08/30/04 09:30 Received: 08/31/04

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					09/01/04	SW846 8260	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(\*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection      LOQ = Limit of Quantitation      ND = Not Detected      1000 ug/L = 1 mg/L  
DWB = Dry Weight Basis      NA = Not Applicable      %DWB = (mg/kg DWB) / 10000  
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by:



Authorized by:  
R. T. Krueger  
President

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 1 of 2

Customer: RSV Engineering Inc  
 Project Description: Robinson's  
 Project Title: 03-085

NLS Project: 83961

Template: SATS Printed: 09/02/2004 08:38

Sample: 348532 Soil, Drain Collected: 08/30/04 Analyzed: 09/01/04 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	50
Bromobenzene	ND	ug/kg	1	13	42
Bromochloromethane	ND	ug/kg	1	20	66
Bromodichloromethane	ND	ug/kg	1	15	50
Bromoform	ND	ug/kg	1	23	75
Bromomethane	ND	ug/kg	1	200	200
n-Butylbenzene	ND	ug/kg	1	17	57
sec-Butylbenzene	ND	ug/kg	1	20	67
tert-Butylbenzene	ND	ug/kg	1	30	99
Carbon Tetrachloride	ND	ug/kg	1	12	39
Chlorobenzene	ND	ug/kg	1	17	55
Chloroethane	ND	ug/kg	1	200	200
Chloroform	ND	ug/kg	1	11	37
Chloromethane	ND	ug/kg	1	13	44
2-Chlorotoluene	ND	ug/kg	1	18	59
4-Chlorotoluene	ND	ug/kg	1	17	55
Dibromochloromethane	ND	ug/kg	1	14	47
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	16	52
1,2-Dibromoethane	ND	ug/kg	1	15	49
Dibromomethane	ND	ug/kg	1	23	75
1,2-Dichlorobenzene	ND	ug/kg	1	21	71
1,3-Dichlorobenzene	ND	ug/kg	1	13	43
1,4-Dichlorobenzene	ND	ug/kg	1	14	48
Dichlorodifluoromethane	ND	ug/kg	1	14	46
1,1-Dichloroethane	ND	ug/kg	1	12	40
1,2-Dichloroethane	ND	ug/kg	1	22	75
1,1-Dichloroethene	ND	ug/kg	1	17	56
cis-1,2-Dichloroethene	ND	ug/kg	1	13	44
trans-1,2-Dichloroethene	ND	ug/kg	1	17	57
1,2-Dichloropropane	ND	ug/kg	1	20	67
1,3-Dichloropropane	ND	ug/kg	1	13	44
2,2-Dichloropropane	ND	ug/kg	1	24	80
1,1-Dichloropropene	ND	ug/kg	1	11	35
cis-1,3-Dichloropropene	ND	ug/kg	1	19	64
trans-1,3-Dichloropropene	ND	ug/kg	1	15	50
Ethylbenzene	ND	ug/kg	1	17	57
Hexachlorobutadiene	ND	ug/kg	1	19	63
Isopropylbenzene	ND	ug/kg	1	21	71
p-Isopropyltoluene	ND	ug/kg	1	16	52
Methylene chloride	[28]	ug/kg	1	14	47
Naphthalene	ND	ug/kg	1	20	68
n-Propylbenzene	ND	ug/kg	1	23	77
ortho-Xylene	ND	ug/kg	1	19	62
Styrene	ND	ug/kg	1	19	62
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	18	60
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	1	10	33
Tetrachloroethene	610	ug/kg	1	14	48
Toluene	ND	ug/kg	1	13	44
1,2,3-Trichlorobenzene	ND	ug/kg	1	21	70

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Page 2 of 2

Customer: RSV Engineering Inc NLS Project: 83961

Project Description: Robinson's

Project Title: 03-085

Template: SATS Printed: 09/02/2004 08:38

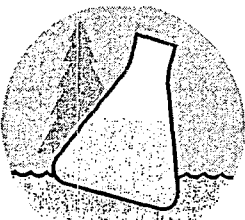
Sample: 348532 Soil, Drain

Collected: 08/30/04

Analyzed: 09/01/04 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
1,2,4-Trichlorobenzene	ND	ug/kg	1	24	79
1,1,1-Trichloroethane	ND	ug/kg	1	10	35
1,1,2-Trichloroethane	ND	ug/kg	1	21	69
Trichloroethene	ND	ug/kg	1	15	49
Trichlorofluoromethane	ND	ug/kg	1	12	39
1,2,3-Trichloropropane	ND	ug/kg	1	22	73
1,2,4-Trimethylbenzene	ND	ug/kg	1	22	72
1,3,5-Trimethylbenzene	ND	ug/kg	1	18	62
Vinyl chloride	ND	ug/kg	1	18	61
meta,para-Xylene	ND	ug/kg	1	44	150
MTBE	ND	ug/kg	1	15	48
Isopropyl Ether	ND	ug/kg	1	11	36
Dibromofluoromethane (SURR**)	112%				
Toluene-d8 (SURR**)	114%				
1-Bromo-4-Fluorobenzene (SURR**)	105%				

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



**NORTHERN LAKE SERVICE, INC.**

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 104785

**SAMPLE COLLECTION AND  
CHAIN OF CUSTODY RECORD**

Underground Storage Tank Projects

Wisconsin Lab Cert. No. 721026460

RETURN THIS FORM WITH SAMPLES.

ENTER OTHER PARAMETERS-CHECK BELOW IF FIELD FILTERED

CLIENT <i>RSV Engineering, Inc</i>		PROJECT TITLE <i>Robinson's</i>	
ADDRESS <i>112 S. Main St</i>		PROJECT NO. <i>03-085</i>	QUOTATION NO. <i>102990</i>
CITY <i>Jefferson</i>	STATE <i>WI</i>	ZIP <i>53549</i>	CONTACT <i>Robert Nauta</i>
PHONE <i>(920)674-3411</i>			

	SAMPLE ID	COLLECTION		SAMPLE TYPE	GRO	PVOC	DRO	VOC 8021	PAH	ENTER OTHER PARAMETERS-CHECK BELOW IF FIELD FILTERED													
		DATE	TIME																				
<i>348532</i>	<i>Drain</i>	<i>08/30/04</i>	<i>0830</i>	<i>S</i>				<i>X</i>															
<i>348533</i>	<i>MW-25</i>	<i>08/30/04</i>	<i>0930</i>	<i>GW</i>				<i>X</i>															

COLLECTED BY (signature) <i>Allen B. Knapp</i>	CUSTODY SEAL NO. (IF ANY)	DATE/TIME	REPORT TO <i>above</i>
RELINQUISHED BY (signature) <i>Allen B. Knapp</i>	RECEIVED BY (signature)	DATE/TIME	
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME	
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME	
RECEIVED AT NLS BY (signature) <i>Karen Dexter</i>	DATE/TIME <i>8/3/04 11:45</i>	CONDITION <i>once</i>	INVOICE TO <i>above</i>
SEAL INTACT? <input type="checkbox"/> YES <input type="checkbox"/> NO	SEAL #	REMARKS & OTHER INFORMATION <i>Fed Ex</i>	
SAMPLE TYPE GW=groundwater, WW=waste water, DW=drinking water, S=soil			

24-19

- 1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.
- 2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
- 3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
- 4. PARTICIPATING COLLECTING AGENCIES...

**ORIGINAL COPY**



**U.S. Environmental Protection Agency**

**Superfund**

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- Health & Safety
- Law, Policies & Guidances
- Information Sources
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- Conferences



**Soil Screening Guidance for Chemicals**

**Equation Values for Ingestion**

Noncarcinogenic Parameter	Value	Carcinogenic Age-adjusted Parameter	Value	Carcinogenic Nonadjusted Parameter	Value
Target Hazard Quotient (unitless)	.2	Target Risk (unitless)	1.0E-7	Target Risk (unitless)	1.0E-6
Body Weight (kg)	15	Adult Body Weight (kg)	70	Body Weight (kg)	70
Exposure Duration (yr)	6	Child Body Weight (kg)	15	Exposure Duration (yr)	25
		Adult Exposure Duration (yr)	24		
Exposure Frequency (day/yr)	350	Child Exposure Duration (yr)	6	Exposure Frequency (day/yr)	250
		Exposure Frequency (day/yr)	350		
Intake Rate (mg/day)	200	Adult Intake Rate (mg/day)	100	Intake Rate (mg/day)	50
		Child Intake Rate (mg/day)	200		
		Average Lifetime (yr)	70	Average Lifetime (yr)	70
		Age-adjusted Ingestion Factor (mg-yr/kg-day)	114.29		

**Soil Screening Levels for Ingestion (mg/kg)**

Analyte	Cas Number	Oral RfD	Oral Slope Factor	Noncarcinogenic	Carcinogenic (Age-adjusted)	Carcinogenic (Nonadjusted)
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Tetrachloroethylene	127184	1.00E-02 <sup>a</sup>	5.20E-02 <sup>v</sup>	1.56E+02	1.23E+00	1.10E+02
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Soil Screening Guidance for Chemicals

Equation Values for Inhalation of Fugitive Dust

Particulate Emission Factor Parameter	Value	Noncarcinogenic Parameter	Value	Carcinogenic Parameter	Value
Surface Area (acres)	0.5	Target Hazard Quotient (unitless)	.2	Target Risk (unitless)	1.0E-7
City (climate zone)	Chicago (VII)	Exposure Duration (yr)	30	Exposure Duration (yr)	30
Q/C (g/m <sup>2</sup> -s per kg/m <sup>3</sup> )	97.78	Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350
Fraction of vegetative cover (unitless)	0.5			Average Lifetime (yr)	70
Mean annual windspeed (m/s)	5				
Equivalent threshold value of windspeed at 7m (m/s)	11				
Function dependent on U <sub>m</sub> /U <sub>t</sub> (unitless)	0.2707				

Soil Screening Levels for Inhalation of Fugitive Dust (mg/kg)

Analyte	Cas Number	Inhalation RfC	Inhalation Unit Risk	Particulate Emission Factor	Noncarcinogenic	Carcinogenic
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Tetrachloroethylene	127184	6.00E-01 <sup>v</sup>	5.8E-07 <sup>v</sup>	7.69E+08	9.63E+07	3.23E+05
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**Soil Screening Guidance for Chemicals**

**Equation Values for Inhalation of Volatiles**

Volatilization Factor Parameter	Value	Soil Saturation Concentration Parameter	Value	Noncarcinogenic Parameter	Value	Carcinogenic Parameter	Value
Surface Area (acres)	0.5			Target Hazard Quotient (unitless)	.2	Target Risk (unitless)	1.0E-7
City (climate zone)	Chicago (VII)			Exposure Duration (yr)	30	Exposure Duration (yr)	30
Q/C (g/m <sup>2</sup> -s per kg/m <sup>3</sup> )	97.78			Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350
Fraction organic carbon (unitless)	0.006	Fraction organic carbon (unitless)	0.006			Average Lifetime (yr)	70
Dry soil bulk density (g/cm <sup>3</sup> )	1.5	Dry soil bulk density (g/cm <sup>3</sup> )	1.5				
Soil particle density (g/cm <sup>3</sup> )	2.65	Soil particle density (g/cm <sup>3</sup> )	2.65				
Water-filled soil porosity (L <sub>water</sub> /L <sub>soil</sub> )	0.2	Water-filled soil porosity (L <sub>water</sub> /L <sub>soil</sub> )	0.2				
Exposure interval (s)	9.5e08						

**Soil Screening Levels for Inhalation of Volatiles (mg/kg)**

Analyte	Cas Number	Inhalation RfC	Inhalation Unit Risk	Volatilization Factor	Soil Saturation Concentration	Noncarcinogenic	Carcinogenic
Tetrachloroethylene	127184	6.0E-01 $\nabla$	5.8E-07 $\nabla$	5.0E+03	2.4E+02	6.2E+02	2.1E+00

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NORTHERN LAKE SERVICE, INC.  
Analytical Laboratory and Environmental Services  
400 North Lake Avenue - Crandon, WI 54520  
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460  
WDATEP Laboratory Certification No. 105 000330  
EPA Laboratory ID No. WI00034

Printed: 09/19/02 Code: S Page 1 of 1

Client: URS Corporation (Madison)  
Attn: Bob Nauta  
5250 East Terrace Drive  
Madison, WI 53718

NLS Project: 68969

NLS Customer: 91207

Project: Robinson's/51279-001

**MW-1 NLS ID: 291093**

Ref. Line 1 COC 57735 MW-1 Matrix: GW  
Collected: 09/12/02 10:30 Received: 09/13/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached		-			09/18/02	SW846 8260	721026460

**MW-2 NLS ID: 291094**

Ref. Line 2 COC 57735 MW-2 Matrix: GW  
Collected: 09/12/02 09:20 Received: 09/13/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached		-			09/18/02	SW846 8260	721026460

**MW-2D NLS ID: 291095**

Ref. Line 3 COC 57735 MW-2D Matrix: GW  
Collected: 09/12/02 10:00 Received: 09/13/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached		-			09/18/02	SW846 8260	721026460

**MW-3 NLS ID: 291096**

Ref. Line 4 COC 57735 MW-3 Matrix: GW  
Collected: 09/12/02 10:10 Received: 09/13/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached		-			09/18/02	SW846 8260	721026460

**Trip Blank NLS ID: 291097**

Ref. Line 5 COC 57735 Trip Blank Matrix: TB  
Collected: 09/12/02 00:00 Received: 09/13/02

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached		-			09/18/02	SW846 8260	721026460

Values in brackets represent results greater than the LOD but less than or equal to the LOQ and are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(\*) are considered Reporting Limits.

LOD = Limit of Detection      LOQ = Limit of Quantitation      ND = Not Detected      1000 ug/L = 1 mg/L  
DWB = Dry Weight Basis      NA = Not Applicable      %DWB = (mg/kg DWB) / 10000  
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by:  Authorized by:  
R. T. Krueger  
President

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

Page 1 of 10

Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title: Template: SAT2W

Sample: 291093 MW-1

Collected: 09/12/02

Analyzed: 09/18/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/L	1	0.29	0.96
Bromobenzene	ND	ug/L	1	0.15	0.47
Bromochloromethane	ND	ug/L	1	0.36	1.2
Bromodichloromethane	ND	ug/L	1	0.32	1.1
Bromoform	ND	ug/L	1	0.29	0.97
Bromomethane	ND	ug/L	1	0.35	1.2
n-Butylbenzene	ND	ug/L	1	0.28	0.93
sec-Butylbenzene	ND	ug/L	1	0.32	1.1
tert-Butylbenzene	ND	ug/L	1	0.17	0.52
Carbon Tetrachloride	ND	ug/L	1	0.27	0.91
Chlorobenzene	ND	ug/L	1	0.26	0.87
Chloroethane	ND	ug/L	1	1.4	4.8
Chloroform	ND	ug/L	1	0.30	0.99
Chloromethane	ND	ug/L	1	0.29	0.96
2-Chlorotoluene	ND	ug/L	1	0.29	0.97
4-Chlorotoluene	ND	ug/L	1	0.22	0.73
Dibromochloromethane	ND	ug/L	1	0.26	0.88
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.31	1.0
1,2-Dibromoethane	ND	ug/L	1	0.26	0.86
Dibromomethane	ND	ug/L	1	0.31	1.0
1,2-Dichlorobenzene	ND	ug/L	1	0.29	0.96
1,3-Dichlorobenzene	ND	ug/L	1	0.29	0.96
1,4-Dichlorobenzene	ND	ug/L	1	0.26	0.87
Dichlorodifluoromethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethane	ND	ug/L	1	0.33	1.1
1,2-Dichloroethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethene	ND	ug/L	1	0.29	0.96
cis-1,2-Dichloroethene	ND	ug/L	1	0.28	0.93
trans-1,2-Dichloroethene	ND	ug/L	1	0.29	0.98
1,2-Dichloropropane	ND	ug/L	1	0.33	1.1
1,3-Dichloropropane	ND	ug/L	1	0.33	1.1
2,2-Dichloropropane	ND	ug/L	1	0.28	0.95
1,1-Dichloropropene	ND	ug/L	1	0.29	0.98
cis-1,3-Dichloropropene	ND	ug/L	1	0.32	1.1
trans-1,3-Dichloropropene	ND	ug/L	1	0.34	1.1
Ethylbenzene	ND	ug/L	1	0.28	0.93
Hexachlorobutadiene	ND	ug/L	1	0.37	1.2
Isopropylbenzene	ND	ug/L	1	0.28	0.93
p-Isopropyltoluene	ND	ug/L	1	0.31	1.0
Methylene chloride	ND	ug/L	1	0.56	1.9
Naphthalene	ND	ug/L	1	0.29	0.93
n-Propylbenzene	ND	ug/L	1	0.25	0.82
ortho-Xylene	ND	ug/L	1	0.26	0.87
Styrene	ND	ug/L	1	0.25	0.82
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.30	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.31	1.0
Tetrachloroethene	1.6	ug/L	1	0.25	0.84
Toluene	ND	ug/L	1	0.36	1.2
1,2,3-Trichlorobenzene	ND	ug/L	1	0.26	0.84
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2
1,1,1-Trichloroethane	ND	ug/L	1	0.31	1.0
1,1,2-Trichloroethane	ND	ug/L	1	0.40	1.3
Trichloroethene	ND	ug/L	1	0.29	0.97

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

Page 2 of 10

Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title: Template: SAT2W

Sample: 291093 MW-1 Collected: 09/12/02 Analyzed: 09/18/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/L	1	0.28	0.93
1,2,3-Trichloropropane	ND	ug/L	1	0.34	1.1
1,2,4-Trimethylbenzene	ND	ug/L	1	0.23	0.78
1,3,5-Trimethylbenzene	ND	ug/L	1	0.30	1.0
Vinyl chloride	ND	ug/L	1	0.11	0.37
meta,para-Xylene	ND	ug/L	1	0.49	1.6
MTBE	ND	ug/L	1	0.33	1.1
Isopropyl ether	ND	ug/L	1	0.35	1.2
Dibromofluoromethane (SURR**)	113%				
Toluene-d8 (SURR**)	108%				
1-Bromo-4-Fluorobenzene (SURR**)	108%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

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Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title:

Template: SAT2W

Sample: 291094 MW-2

Collected: 09/12/02

Analyzed: 09/18/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/L	1	0.29	0.96
Bromobenzene	ND	ug/L	1	0.15	0.47
Bromochloromethane	ND	ug/L	1	0.36	1.2
Bromodichloromethane	ND	ug/L	1	0.32	1.1
Bromoform	ND	ug/L	1	0.29	0.97
Bromomethane	ND	ug/L	1	0.35	1.2
n-Butylbenzene	ND	ug/L	1	0.28	0.93
sec-Butylbenzene	ND	ug/L	1	0.32	1.1
tert-Butylbenzene	ND	ug/L	1	0.17	0.52
Carbon Tetrachloride	ND	ug/L	1	0.27	0.91
Chlorobenzene	ND	ug/L	1	0.26	0.87
Chloroethane	ND	ug/L	1	1.4	4.8
Chloroform	ND	ug/L	1	0.30	0.99
Chloromethane	ND	ug/L	1	0.29	0.96
2-Chlorotoluene	ND	ug/L	1	0.29	0.97
4-Chlorotoluene	ND	ug/L	1	0.22	0.73
Dibromochloromethane	ND	ug/L	1	0.26	0.88
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.31	1.0
1,2-Dibromoethane	ND	ug/L	1	0.26	0.86
Dibromomethane	ND	ug/L	1	0.31	1.0
1,2-Dichlorobenzene	ND	ug/L	1	0.29	0.96
1,3-Dichlorobenzene	ND	ug/L	1	0.29	0.96
1,4-Dichlorobenzene	ND	ug/L	1	0.26	0.87
Dichlorodifluoromethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethane	ND	ug/L	1	0.33	1.1
1,2-Dichloroethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethene	ND	ug/L	1	0.29	0.96
cis-1,2-Dichloroethene	2.9	ug/L	1	0.28	0.93
trans-1,2-Dichloroethene	ND	ug/L	1	0.29	0.98
1,2-Dichloropropane	ND	ug/L	1	0.33	1.1
1,3-Dichloropropane	ND	ug/L	1	0.33	1.1
2,2-Dichloropropane	ND	ug/L	1	0.28	0.95
1,1-Dichloropropene	ND	ug/L	1	0.29	0.98
cis-1,3-Dichloropropene	ND	ug/L	1	0.32	1.1
trans-1,3-Dichloropropene	ND	ug/L	1	0.34	1.1
Ethylbenzene	ND	ug/L	1	0.28	0.93
Hexachlorobutadiene	ND	ug/L	1	0.37	1.2
Isopropylbenzene	ND	ug/L	1	0.28	0.93
p-Isopropyltoluene	ND	ug/L	1	0.31	1.0
Methylene chloride	ND	ug/L	1	0.56	1.9
Naphthalene	ND	ug/L	1	0.29	0.93
n-Propylbenzene	ND	ug/L	1	0.25	0.82
ortho-Xylene	ND	ug/L	1	0.26	0.87
Styrene	ND	ug/L	1	0.25	0.82
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.30	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.31	1.0
Tetrachloroethene	15	ug/L	1	0.25	0.84
Toluene	ND	ug/L	1	0.36	1.2
1,2,3-Trichlorobenzene	ND	ug/L	1	0.26	0.84
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2
1,1,1-Trichloroethane	ND	ug/L	1	0.31	1.0
1,1,2-Trichloroethane	ND	ug/L	1	0.40	1.3
Trichloroethene	[0.32]	ug/L	1	0.29	0.97

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

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Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title: Template: SAT2W

Sample: 291094 MW-2 Collected: 09/12/02 Analyzed: 09/18/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/L	1	0.28	0.93
1,2,3-Trichloropropane	ND	ug/L	1	0.34	1.1
1,2,4-Trimethylbenzene	ND	ug/L	1	0.23	0.78
1,3,5-Trimethylbenzene	ND	ug/L	1	0.30	1.0
Vinyl chloride	ND	ug/L	1	0.11	0.37
meta,para-Xylene	ND	ug/L	1	0.49	1.6
MTBE	ND	ug/L	1	0.33	1.1
Isopropyl ether	ND	ug/L	1	0.35	1.2
Dibromofluoromethane (SURR**)	117%				
Toluene-d8 (SURR**)	112%				
1-Bromo-4-Fluorobenzene (SURR**)	112%				

Additional non-target compounds detected.

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

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Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title:

Template: SAT2W

Sample: 291095 MW-2D

Collected: 09/12/02

Analyzed: 09/18/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/L	1	0.29	0.96
Bromobenzene	ND	ug/L	1	0.15	0.47
Bromochloromethane	ND	ug/L	1	0.36	1.2
Bromodichloromethane	ND	ug/L	1	0.32	1.1
Bromoform	ND	ug/L	1	0.29	0.97
Bromomethane	ND	ug/L	1	0.35	1.2
n-Butylbenzene	ND	ug/L	1	0.28	0.93
sec-Butylbenzene	ND	ug/L	1	0.32	1.1
tert-Butylbenzene	ND	ug/L	1	0.17	0.52
Carbon Tetrachloride	ND	ug/L	1	0.27	0.91
Chlorobenzene	ND	ug/L	1	0.26	0.87
Chloroethane	ND	ug/L	1	1.4	4.8
Chloroform	ND	ug/L	1	0.30	0.99
Chloromethane	ND	ug/L	1	0.29	0.96
2-Chlorotoluene	ND	ug/L	1	0.29	0.97
4-Chlorotoluene	ND	ug/L	1	0.22	0.73
Dibromochloromethane	ND	ug/L	1	0.26	0.88
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.31	1.0
1,2-Dibromoethane	ND	ug/L	1	0.26	0.86
Dibromomethane	ND	ug/L	1	0.31	1.0
1,2-Dichlorobenzene	ND	ug/L	1	0.29	0.96
1,3-Dichlorobenzene	ND	ug/L	1	0.29	0.96
1,4-Dichlorobenzene	ND	ug/L	1	0.26	0.87
Dichlorodifluoromethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethane	ND	ug/L	1	0.33	1.1
1,2-Dichloroethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethene	ND	ug/L	1	0.29	0.96
cis-1,2-Dichloroethene	ND	ug/L	1	0.28	0.93
trans-1,2-Dichloroethene	ND	ug/L	1	0.29	0.98
1,2-Dichloropropane	ND	ug/L	1	0.33	1.1
1,3-Dichloropropane	ND	ug/L	1	0.33	1.1
2,2-Dichloropropane	ND	ug/L	1	0.28	0.95
1,1-Dichloropropene	ND	ug/L	1	0.29	0.98
cis-1,3-Dichloropropene	ND	ug/L	1	0.32	1.1
trans-1,3-Dichloropropene	ND	ug/L	1	0.34	1.1
Ethylbenzene	ND	ug/L	1	0.28	0.93
Hexachlorobutadiene	ND	ug/L	1	0.37	1.2
Isopropylbenzene	ND	ug/L	1	0.28	0.93
p-Isopropyltoluene	ND	ug/L	1	0.31	1.0
Methylene chloride	ND	ug/L	1	0.56	1.9
Naphthalene	ND	ug/L	1	0.29	0.93
n-Propylbenzene	ND	ug/L	1	0.25	0.82
ortho-Xylene	ND	ug/L	1	0.26	0.87
Styrene	ND	ug/L	1	0.25	0.82
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.30	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.31	1.0
Tetrachloroethene	1.7	ug/L	1	0.25	0.84
Toluene	ND	ug/L	1	0.36	1.2
1,2,3-Trichlorobenzene	ND	ug/L	1	0.26	0.84
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2
1,1,1-Trichloroethane	ND	ug/L	1	0.31	1.0
1,1,2-Trichloroethane	ND	ug/L	1	0.40	1.3
Trichloroethene	ND	ug/L	1	0.29	0.97



## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

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Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title: Template: SAT2W

Sample: 291095 MW-2D

Collected: 09/12/02

Analyzed: 09/18/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/L	1	0.28	0.93
1,2,3-Trichloropropane	ND	ug/L	1	0.34	1.1
1,2,4-Trimethylbenzene	ND	ug/L	1	0.23	0.78
1,3,5-Trimethylbenzene	ND	ug/L	1	0.30	1.0
Vinyl chloride	ND	ug/L	1	0.11	0.37
meta,para-Xylene	ND	ug/L	1	0.49	1.6
MTBE	ND	ug/L	1	0.33	1.1
Isopropyl ether	ND	ug/L	1	0.35	1.2
Dibromofluoromethane (SURR**)	112%				
Toluene-d8 (SURR**)	105%				
1-Bromo-4-Fluorobenzene (SURR**)	106%				

Additional non-target compounds detected.

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

Page 7 of 10

Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title: Template: SAT2W

Sample: 291096 MW-3 Collected: 09/12/02 Analyzed: 09/18/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/L	1	0.29	0.96
Bromobenzene	ND	ug/L	1	0.15	0.47
Bromochloromethane	ND	ug/L	1	0.36	1.2
Bromodichloromethane	ND	ug/L	1	0.32	1.1
Bromoform	ND	ug/L	1	0.29	0.97
Bromomethane	ND	ug/L	1	0.35	1.2
n-Butylbenzene	ND	ug/L	1	0.28	0.93
sec-Butylbenzene	ND	ug/L	1	0.32	1.1
tert-Butylbenzene	ND	ug/L	1	0.17	0.52
Carbon Tetrachloride	ND	ug/L	1	0.27	0.91
Chlorobenzene	ND	ug/L	1	0.26	0.87
Chloroethane	ND	ug/L	1	1.4	4.8
Chloroform	ND	ug/L	1	0.30	0.99
Chloromethane	ND	ug/L	1	0.29	0.96
2-Chlorotoluene	ND	ug/L	1	0.29	0.97
4-Chlorotoluene	ND	ug/L	1	0.22	0.73
Dibromochloromethane	ND	ug/L	1	0.26	0.88
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.31	1.0
1,2-Dibromoethane	ND	ug/L	1	0.26	0.86
Dibromomethane	ND	ug/L	1	0.31	1.0
1,2-Dichlorobenzene	ND	ug/L	1	0.29	0.96
1,3-Dichlorobenzene	ND	ug/L	1	0.29	0.96
1,4-Dichlorobenzene	ND	ug/L	1	0.26	0.87
Dichlorodifluoromethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethane	ND	ug/L	1	0.33	1.1
1,2-Dichloroethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethene	ND	ug/L	1	0.29	0.96
cis-1,2-Dichloroethene	ND	ug/L	1	0.28	0.93
trans-1,2-Dichloroethene	ND	ug/L	1	0.29	0.98
1,2-Dichloropropane	ND	ug/L	1	0.33	1.1
1,3-Dichloropropane	ND	ug/L	1	0.33	1.1
2,2-Dichloropropane	ND	ug/L	1	0.28	0.95
1,1-Dichloropropene	ND	ug/L	1	0.29	0.98
cis-1,3-Dichloropropene	ND	ug/L	1	0.32	1.1
trans-1,3-Dichloropropene	ND	ug/L	1	0.34	1.1
Ethylbenzene	ND	ug/L	1	0.28	0.93
Hexachlorobutadiene	ND	ug/L	1	0.37	1.2
Isopropylbenzene	ND	ug/L	1	0.28	0.93
p-Isopropyltoluene	ND	ug/L	1	0.31	1.0
Methylene chloride	ND	ug/L	1	0.56	1.9
Naphthalene	ND	ug/L	1	0.29	0.93
n-Propylbenzene	ND	ug/L	1	0.25	0.82
ortho-Xylene	ND	ug/L	1	0.26	0.87
Styrene	ND	ug/L	1	0.25	0.82
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.30	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.31	1.0
Tetrachloroethene	1.6	ug/L	1	0.25	0.84
Toluene	ND	ug/L	1	0.36	1.2
1,2,3-Trichlorobenzene	ND	ug/L	1	0.26	0.84
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2
1,1,1-Trichloroethane	ND	ug/L	1	0.31	1.0
1,1,2-Trichloroethane	ND	ug/L	1	0.40	1.3
Trichloroethene	ND	ug/L	1	0.29	0.97

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

Page 8 of 10

Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title: Template: SAT2W

Sample: 291096 MW-3

Collected: 09/12/02

Analyzed: 09/18/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/L	1	0.28	0.93
1,2,3-Trichloropropane	ND	ug/L	1	0.34	1.1
1,2,4-Trimethylbenzene	ND	ug/L	1	0.23	0.78
1,3,5-Trimethylbenzene	ND	ug/L	1	0.30	1.0
Vinyl chloride	ND	ug/L	1	0.11	0.37
meta,para-Xylene	ND	ug/L	1	0.49	1.6
MTBE	ND	ug/L	1	0.33	1.1
Isopropyl ether	ND	ug/L	1	0.35	1.2
Dibromofluoromethane (SURR**)	120%				
Toluene-d8 (SURR**)	113%				
1-Bromo-4-Fluorobenzene (SURR**)	110%				

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

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

Page 9 of 10

Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title: Template: SAT2W

Sample: 291097 Trip Blank Collected: 09/12/02 Analyzed: 09/18/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/L	1	0.29	0.96
Bromobenzene	ND	ug/L	1	0.15	0.47
Bromochloromethane	ND	ug/L	1	0.36	1.2
Bromodichloromethane	ND	ug/L	1	0.32	1.1
Bromoform	ND	ug/L	1	0.29	0.97
Bromomethane	ND	ug/L	1	0.35	1.2
n-Butylbenzene	ND	ug/L	1	0.28	0.93
sec-Butylbenzene	ND	ug/L	1	0.32	1.1
tert-Butylbenzene	ND	ug/L	1	0.17	0.52
Carbon Tetrachloride	ND	ug/L	1	0.27	0.91
Chlorobenzene	ND	ug/L	1	0.26	0.87
Chloroethane	ND	ug/L	1	1.4	4.8
Chloroform	ND	ug/L	1	0.30	0.99
Chloromethane	ND	ug/L	1	0.29	0.96
2-Chlorotoluene	ND	ug/L	1	0.29	0.97
4-Chlorotoluene	ND	ug/L	1	0.22	0.73
Dibromochloromethane	ND	ug/L	1	0.26	0.88
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.31	1.0
1,2-Dibromoethane	ND	ug/L	1	0.26	0.86
Dibromomethane	ND	ug/L	1	0.31	1.0
1,2-Dichlorobenzene	ND	ug/L	1	0.29	0.96
1,3-Dichlorobenzene	ND	ug/L	1	0.29	0.96
1,4-Dichlorobenzene	ND	ug/L	1	0.26	0.87
Dichlorodifluoromethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethane	ND	ug/L	1	0.33	1.1
1,2-Dichloroethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethene	ND	ug/L	1	0.29	0.96
cis-1,2-Dichloroethene	ND	ug/L	1	0.28	0.93
trans-1,2-Dichloroethene	ND	ug/L	1	0.29	0.98
1,2-Dichloropropane	ND	ug/L	1	0.33	1.1
1,3-Dichloropropane	ND	ug/L	1	0.33	1.1
2,2-Dichloropropane	ND	ug/L	1	0.28	0.95
1,1-Dichloropropene	ND	ug/L	1	0.29	0.98
cis-1,3-Dichloropropene	ND	ug/L	1	0.32	1.1
trans-1,3-Dichloropropene	ND	ug/L	1	0.34	1.1
Ethylbenzene	ND	ug/L	1	0.28	0.93
Hexachlorobutadiene	ND	ug/L	1	0.37	1.2
Isopropylbenzene	ND	ug/L	1	0.28	0.93
p-Isopropyltoluene	ND	ug/L	1	0.31	1.0
Methylene chloride	ND	ug/L	1	0.56	1.9
Naphthalene	ND	ug/L	1	0.29	0.93
n-Propylbenzene	ND	ug/L	1	0.25	0.82
ortho-Xylene	ND	ug/L	1	0.26	0.87
Styrene	ND	ug/L	1	0.25	0.82
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.30	1.0
1,1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.31	1.0
Tetrachloroethene	ND	ug/L	1	0.25	0.84
Toluene	ND	ug/L	1	0.36	1.2
1,2,3-Trichlorobenzene	ND	ug/L	1	0.26	0.84
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2
1,1,1-Trichloroethane	ND	ug/L	1	0.31	1.0
1,1,2-Trichloroethane	ND	ug/L	1	0.40	1.3
Trichloroethene	ND	ug/L	1	0.29	0.97

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

Page 10 of 10

Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title: Template: SAT2W

Sample: 291097 Trip Blank

Collected: 09/12/02

Analyzed: 09/18/02

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	ND	ug/L	1	0.28	0.93
1,2,3-Trichloropropane	ND	ug/L	1	0.34	1.1
1,2,4-Trimethylbenzene	ND	ug/L	1	0.23	0.78
1,3,5-Trimethylbenzene	ND	ug/L	1	0.30	1.0
Vinyl chloride	ND	ug/L	1	0.11	0.37
meta,para-Xylene	ND	ug/L	1	0.49	1.6
MTBE	ND	ug/L	1	0.33	1.1
Isopropyl ether	ND	ug/L	1	0.35	1.2
Dibromofluoromethane (SURR**)	114%				
Toluene-d8 (SURR**)	109%				
1-Bromo-4-Fluorobenzene (SURR**)	109%				

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

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

# NORTHERN LAKE SERVICE, INC.

Wisconsin Lab Cert. No. 721026460

Analytical Laboratory and Environmental Services

NO. 57735

CLIENT <i>NLS Corporation</i>	
ADDRESS <i>5250 Terrace Dr Ste I</i>	
CITY <i>Madison</i>	STATE <i>WI</i>
ZIP <i>53718</i>	
PROJECT DESCRIPTION / NO. <i>Robinson's / 51279-001</i>	QUOTATION NO.
CONTACT <i>Bob Nauta</i>	PHONE <i>608-244-5656</i>
PURCHASE ORDER NO.	FAX <i>608-244-1779</i>

**MATRIX:**  
 SW = surface water  
 WW = waste water  
 GW = groundwater  
 TIS = tissue  
 AIR = air  
 DW = drinking water  
 SOIL = soil  
 SED = sediment  
 PROD = product  
 SL = sludge  
 OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.  
 Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS <i>VOCs</i>	GW																			



ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION		MATRIX	ANALYZE PER ORDER OF ANALYSIS	USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.													COLLECTION REMARKS						
			DATE	TIME			GW																			
1.	291093	MW-1	9/12/02	1030	GW		X																			
2.	291094	MW-2		0920			X																			
3.	291095	MW-2D		1000			X																			
4.	291096	MW-3		1010			X																			
5.	291097	Triple Blank					X																			
6.																										
7.																										
8.																										
9.																										
10.																										

ONE SAMPLE PER LINE

COLLECTED BY (signature) <i>Whitlock</i>	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature) <i>Whitlock</i>	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO  
*Bob Nauta*

RECEIVED AT NLS BY (signature) <i>Madeline Haney</i>	DATE/TIME <i>9/13/02 12:30</i>	CONDITION <i>On Ice</i>	TEMP.
COOLER # <i>34-B</i>	REMARKS & OTHER INFORMATION <i>2260 per Bob Nauta DMW 9/11/02</i>		
PRESERVATIVE: N = nitric acid NP = no preservative S = sulfuric acid	OH = sodium hydroxide HA = hydrochloric & ascorbic acid H = hydrochloric acid	WDNR FACILITY NUMBER	E-MAIL ADDRESS

INVOICE TO  
*Same*

**IMPORTANT:**

- TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.
- PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
- RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
- PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

011A

NORTHERN LAKE SERVICE, INC.  
Analytical Laboratory and Environmental Services  
400 North Lake Avenue - Crandon, WI 54520  
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460  
WDATCP Laboratory Certification No. 105-330  
EPA Laboratory ID No. WI00034

RECEIVED SEP 07 2004

Printed: 09/02/04 Code: S Page 1 of 1

Client: RSV Engineering Inc  
Attn: Robert Nauta  
112 South Main Street  
P O Box 298  
Jefferson, WI 53549 0298

NLS Project: 83961

NLS Customer: 83681

Fax: 920 674 3481 Phone: 920 674 3411

Project: Robinson's 03-085

**Soil, Drain NLS ID: 348532**

Ref. Line COC 104785 Soil, Drain Matrix: SO  
Collected: 08/30/04 08:30 Received: 08/31/04

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.4	%	1	0.10*		09/01/04	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached					09/01/04	SW846 8260	721026460

**MW-2S NLS ID: 348533**

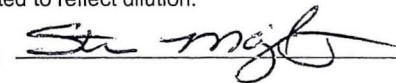
Ref. Line COC 104785 MW-2S Matrix: GW  
Collected: 08/30/04 09:30 Received: 08/31/04

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					09/01/04	SW846 8260	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(\*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection      LOQ = Limit of Quantitation      ND = Not Detected      1000 ug/L = 1 mg/L  
DWB = Dry Weight Basis      NA = Not Applicable      %DWB = (mg/kg DWB) / 10000  
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by:



Authorized by:  
R. T. Krueger  
President

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2000)

Page 1 of 2

Customer: RSV Engineering Inc NLS Project: 83961

Project Description: Robinson's

Project Title: 03-085

Template: SATW Printed: 09/02/2004 08:38

Sample: 348533 MW-2S

Collected: 08/30/04

Analyzed: 09/01/04 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/L	1	0.29	0.97
Bromobenzene	ND	ug/L	1	0.10	0.37
Bromochloromethane	ND	ug/L	1	0.27	0.89
Bromodichloromethane	ND	ug/L	1	0.32	1.1
Bromoform	ND	ug/L	1	0.28	0.92
Bromomethane	ND	ug/L	1	0.39	1.3
n-Butylbenzene	ND	ug/L	1	0.31	1.0
sec-Butylbenzene	ND	ug/L	1	0.33	1.1
tert-Butylbenzene	ND	ug/L	1	0.31	1.0
Carbon Tetrachloride	ND	ug/L	1	0.30	0.98
Chlorobenzene	ND	ug/L	1	0.21	0.70
Chloroethane	ND	ug/L	1	1.7	5.7
Chloroform	ND	ug/L	1	0.30	0.99
Chloromethane	1.0	ug/L	1	0.24	0.75
2-Chlorotoluene	ND	ug/L	1	0.39	1.3
4-Chlorotoluene	ND	ug/L	1	0.37	1.2
Dibromochloromethane	ND	ug/L	1	0.29	0.97
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.33	1.1
1,2-Dibromoethane	ND	ug/L	1	0.30	1.0
Dibromomethane	ND	ug/L	1	0.32	1.1
1,2-Dichlorobenzene	ND	ug/L	1	0.28	0.93
1,3-Dichlorobenzene	ND	ug/L	1	0.24	0.79
1,4-Dichlorobenzene	ND	ug/L	1	0.23	0.78
Dichlorodifluoromethane	ND	ug/L	1	0.18	0.63
1,1-Dichloroethane	ND	ug/L	1	0.30	0.99
1,2-Dichloroethane	ND	ug/L	1	0.34	1.1
1,1-Dichloroethene	ND	ug/L	1	0.41	1.4
cis-1,2-Dichloroethene	ND	ug/L	1	0.40	1.3
trans-1,2-Dichloroethene	ND	ug/L	1	0.35	1.2
1,2-Dichloropropane	ND	ug/L	1	0.35	1.2
1,3-Dichloropropane	ND	ug/L	1	0.34	1.1
2,2-Dichloropropane	ND	ug/L	1	0.44	1.5
1,1-Dichloropropene	ND	ug/L	1	0.32	1.1
cis-1,3-Dichloropropene	ND	ug/L	1	0.27	0.89
trans-1,3-Dichloropropene	ND	ug/L	1	0.32	1.1
Ethylbenzene	ND	ug/L	1	0.26	0.87
Hexachlorobutadiene	ND	ug/L	1	0.41	1.4
Isopropylbenzene	ND	ug/L	1	0.36	1.2
p-Isopropyltoluene	ND	ug/L	1	0.30	1.0
Methylene chloride	ND	ug/L	1	0.43	1.4
Naphthalene	ND	ug/L	1	0.39	1.3
n-Propylbenzene	ND	ug/L	1	0.34	1.1
ortho-Xylene	ND	ug/L	1	0.27	0.89
Styrene	ND	ug/L	1	0.32	1.1
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.28	0.94
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.33	1.1
Tetrachloroethene	3.3	ug/L	1	0.31	1.0
Toluene	ND	ug/L	1	0.34	1.1
1,2,3-Trichlorobenzene	ND	ug/L	1	0.36	1.2



## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2000)

Page 2 of 2

Customer: RSV Engineering Inc

NLS Project: 83961

Project Description: Robinson's

Project Title: 03-085

Template: SATW Printed: 09/02/2004 08:38

Sample: 348533

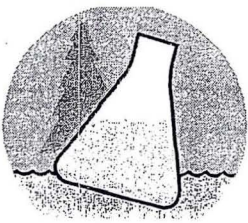
MW-2S

Collected: 08/30/04

Analyzed: 09/01/04 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
1,2,4-Trichlorobenzene	ND	ug/L	1	0.37	1.2
1,1,1-Trichloroethane	ND	ug/L	1	0.27	0.88
1,1,2-Trichloroethane	ND	ug/L	1	0.42	1.4
Trichloroethene	ND	ug/L	1	0.25	0.82
Trichlorofluoromethane	ND	ug/L	1	0.38	1.3
1,2,3-Trichloropropane	ND	ug/L	1	0.44	1.5
1,2,4-Trimethylbenzene	ND	ug/L	1	0.31	1.0
1,3,5-Trimethylbenzene	ND	ug/L	1	0.39	1.3
Vinyl chloride	ND	ug/L	1	0.11	0.38
meta,para-Xylene	ND	ug/L	1	0.62	2.1
MTBE	ND	ug/L	1	0.31	1.0
Isopropyl Ether	ND	ug/L	1	0.35	1.2
Dibromofluoromethane (SURR**)	108%				
Toluene-d8 (SURR**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

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



**NORTHERN LAKE SERVICE, INC.**

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 104785

**SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD**

Underground Storage Tank Projects

Wisconsin Lab Cert. No. 721026460

RETURN THIS FORM WITH SAMPLES.

ENTER OTHER PARAMETERS-CHECK BELOW IF FIELD FILTERED

CLIENT <i>RSV Engineering, Inc</i>		PROJECT TITLE <i>Robinson's</i>	
ADDRESS <i>112 S. Main St</i>		PROJECT NO. <i>03-085</i>	QUOTATION NO. <i>102990</i>
CITY <i>Jefferson</i>	STATE <i>WI</i>	ZIP <i>53549</i>	CONTACT <i>Robert Nauta</i>
		PHONE <i>(920)674-3411</i>	

SAMPLE ID	COLLECTION DATE	COLLECTION TIME	SAMPLE TYPE	GRO	PVOC	DRO	VOC 8021	PAH	ENTER OTHER PARAMETERS-CHECK BELOW IF FIELD FILTERED												
<i>348532</i>	<i>08/30/04</i>	<i>0830</i>	<i>S</i>				<i>X</i>														
<i>348533</i>	<i>08/30/04</i>	<i>0930</i>	<i>GW</i>				<i>X</i>														

COLLECTED BY (signature) <i>Allen R. Krupp</i>		CUSTODY SEAL NO. (IF ANY)		DATE/TIME		REPORT TO <i>above</i>
RELINQUISHED BY (signature) <i>Allen R. Krupp</i>		RECEIVED BY (signature)		DATE/TIME		
RELINQUISHED BY (signature)		RECEIVED BY (signature)		DATE/TIME		
DISPATCHED BY (signature)		METHOD OF TRANSPORT		DATE/TIME		
RECEIVED AT MLS BY (signature) <i>Sharon Dexter</i>		DATE/TIME <i>8/3/04 11:45</i>		CONDITION <i>Onsite</i>		INVOICE TO <i>above</i>
SEAL INTACT? <input type="checkbox"/> YES <input type="checkbox"/> NO		REMARKS & OTHER INFORMATION <i>Fed Ex</i>		TEMP.		
SAMPLE TYPE GW=groundwater, WW=waste water, DW=drinking water, S=soil						

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY

**ORIGINAL COPY**

311-19

**CORRESPONDENCE/MEMORANDUM**

**State of Wisconsin**

DATE: 12/5/03

FILE REF #: 02-54-248342

TO: File, Robinsons - Milwaukee St.

FROM: Denise K.

SUBJECT: 10/20/03 - Add SE - work plan

CONTACT: Bob Nauta

PHONE # 920-674-3411

Bob and I discussed the work plan and the work plan looks fine. Bob will send an email to document our conversation.