



CON 12-15
Doc #10925

STATE OF IOWA

THOMAS J. VILSACK, GOVERNOR
SALLY J. PEDERSON, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
JEFFREY R. VONK, DIRECTOR

June 11, 2003

Richard Ahrens
RC Corporation
PO Box 230
Grinnell, IA 50112

Dear Mr. Ahrens,

This letter is to provide you with the results (enclosed) of the laboratory analyses of ground water samples collected by IDNR from two locations on the RC Co. (formerly Miracle Recreation) facility located in Grinnell, Iowa. As you know the site is still listed on the Registry of Hazardous Waste sites and therefore requires periodic sampling by the IDNR.

On May 21, 2003 two soil borings were completed to depth of 48 at the old drum storage area and at the old loading dock. These two locations were selected in order to re-sample ground water in two previously known highly contaminated areas. The lab results for the ground water samples collected on May 21, 2003 from (44-48 feet) and (20-24 feet), however, indicated no detection of volatile organic compounds.

Please contact me at 1-515-2420587 if you have any questions.

Sincerely,

Matthew Culp
IDNR

CC: IDNR Field Office #5

Hygienic Laboratory

The University of Iowa

Date of report: 06-09-2003

MATTHEW CULP
 IDNR CONTAMINATED SITES
 WALLACE STATE OFFICE BLDG
 900 EAST GRAND AVENUE
 DES MOINES IA 50319-0034

Sample Number	200304488
Date Received	05-22-2003
Project	WMSF
Date Collected	05-21-2003 12:10
Collection Site	rc miracle/sb2 20-24
Collection Town	Grinnell
Description	water
Reference	R/C-MIRACLE REC
Collector	CULP MATTHEW
Phone	(515) 242-5087
Purchase Order	2824

Comments	Upon receipt at the UHL sample meets standard acceptance criteria EXCEPT: sample temperature exceeds 6 degrees celsius.
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Results of Analyses

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit
Chloromethane	<5	5
Bromomethane	<5	5
Vinyl chloride	<5	5
Chloroethane	<5	5
Methylene chloride	<10	10
Methyl-t-butyl ether (MtBE)	<5	5
Acetone	<10	10
Carbon disulfide	<5	5
1,1-Dichloroethene	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethene (total)	<5	5
Chloroform	<5	5
1,2-Dichloroethane	<5	5
2-Butanone	<10	10
1,1,1-Trichloroethane	<5	5
Carbon tetrachloride	<5	5
Bromodichloromethane	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
Trichloroethene	<5	5
Dibromochloromethane	<5	5
1,1,2-Trichloroethane	<5	5
Benzene	<5	5
trans-1,3-Dichloropropene	<5	5
Bromoform	<5	5
4-Methyl-2-pentanone	<10	10
2-Hexanone	<10	10

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Sample Number 200304488

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit
Tetrachloroethene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Toluene	<5	5
Chlorobenzene	<5	5
Ethylbenzene	<5	5
Styrene	<5	5
Xylene (total)	<5	5

Date Analyzed: 05-30-2003

Analyst: WB

Method: UHL 8260

Verified: TC

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

Iowa Laboratory Certification No. 027. AIHA, NELAP, NVLAP, USEPA, and other credentials available upon request.

If you have any questions please call Sherri Marine at 800/421-IOWA (4692) or 319/335-4500. Thank you.

End of Report



Hygienic Laboratory

The University of Iowa

Date of report: 06-09-2003

|||||.....|||.....|||.....|||.....|||.....
 MATTHEW CULP
 IDNR CONTAMINATED SITES
 WALLACE STATE OFFICE BLDG
 900 EAST GRAND AVENUE
 DES MOINES IA 50319-0034

Sample Number 200304487
 Date Received 05-22-2003
 Project WMSF
 Date Collected 05-21-2003 12:00
 Collection Site rc miracle/sb2 48-44
 Collection Town Grinnell
 Description water
 Reference R/C-MIRACLE REC
 Collector CULP MATTHEW
 Phone (515) 242-5087
 Purchase Order 2824

Comments

Upon receipt at the UHL sample meets standard acceptance criteria
 EXCEPT: sample temperature exceeds 6 degrees celsius.

Results of Analyses

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit
Chloromethane	<5	5
Bromomethane	<5	5
Vinyl chloride	<5	5
Chloroethane	<5	5
Methylene chloride	<10	10
Methyl-t-butyl ether (MtBE)	<5	5
Acetone	<10	10
Carbon disulfide	<5	5
1,1-Dichloroethene	<5	5
1,1-Dichloroethane	<5	5
1,2-Dichloroethene (total)	<5	5
Chloroform	<5	5
1,2-Dichloroethane	<5	5
2-Butanone	<10	10
1,1,1-Trichloroethane	<5	5
Carbon tetrachloride	<5	5
Bromodichloromethane	<5	5
1,2-Dichloropropane	<5	5
cis-1,3-Dichloropropene	<5	5
Trichloroethene	<5	5
Dibromochloromethane	<5	5
1,1,2-Trichloroethane	<5	5
Benzene	<5	5
trans-1,3-Dichloropropene	<5	5
Bromoform	<5	5
4-Methyl-2-pentanone	<10	10
2-Hexanone	<10	10

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Sample Number 200304487

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit
Tetrachloroethene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Toluene	<5	5
Chlorobenzene	<5	5
Ethylbenzene	<5	5
Styrene	<5	5
Xylene (total)	<5	5

Date Analyzed: 05-29-2003

Analyst: WB

Method: UHL 8260

Verified: TC

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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If you have any questions please call Sherri Marine at 800/421-IOWA (4692) or 319/335-4500. Thank you.

End of Report

Mary J. R. Gilchrist, Ph.D.
Director

102 Oakdale Campus, #101 OH
Iowa City, Iowa 52242-5002
319/335-4500 Fax: 319/335-4555

<http://www.uhl.uiowa.edu>

H.A. Wallace Building
East Grand, Des Moines, Iowa 50319-0034
515/281-5371 Fax: 515/243-1349



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Sample Number 200304486

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit
Tetrachloroethene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Toluene	<5	5
Chlorobenzene	<5	5
Ethylbenzene	<5	5
Styrene	<5	5
Xylene (total)	<5	5
Hexachlorobutadiene	9	5

Date Analyzed: 05-29-2003

Analyst: WB

Method: UHL 8260

Verified: TC

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

Iowa Laboratory Certification No. 027. AIHA, NELAP, NVLAP, USEPA, and other credentials available upon request.

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End of Report



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Sample Number 200304485

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit
Tetrachloroethene	<5	5
1,1,2,2-Tetrachloroethane	<5	5
Toluene	<5	5
Chlorobenzene	<5	5
Ethylbenzene	<5	5
Styrene	<5	5
Xylene (total)	<5	5

Date Analyzed: 05-29-2003

Analyst: WB

Method: UHL 8260

Verified: TC

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

Iowa Laboratory Certification No. 027. AIHA, NELAP, NVLAP, USEPA, and other credentials available upon request.

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End of Report