



Hygienic Laboratory

CON 12-15
Doc #13910

The University of Iowa

Date of report: 10-08-1999

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

Sample Number	9961565
Date Received	09-22-1999
Project	WMSF
Date Collected	09-21-1999 14:45
Collection Site	river valley ag.
Collection Town	Clarinda
Description	water
Reference	MW-1
Collector	COOK DAN
Phone	(515) 281-4171
Purchase Order	

Results of Analyses

Inorganic Chemistry

Analyte	Concentration	Method	Analyst/ Verifier	Date Analyzed
Nitrate + Nitrite Nitrogen as N	100 mg/L	EPA 353.2	JF/RS	10-01-1999
Ammonia Nitrogen as N	1.3 mg/L	TIM 780-86T	RO/RS	09-30-1999

Description of units used within this report

mg/L - Milligrams per Liter

Iowa Laboratory Certification No. 027. AIHA, ICR, 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.

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NATURAL RESOURCES



Hygienic Laboratory

The University of Iowa

Date of report: 10-08-1999

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

Sample Number	9961566
Date Received	09-22-1999
Project	WMSF
Date Collected	09-21-1999 14:58
Collection Site	river valley ag.
Collection Town	Clarinda
Description	water
Reference	MW2
Collector	COOK DAN
Phone	(515) 281-4171
Purchase Order	

Results of Analyses

Inorganic Chemistry

Analyte	Concentration	Method	Analyst/ Verifier	Date Analyzed
Nitrate + Nitrite Nitrogen as N	89 mg/L	EPA 353.2	JF/RS	10-01-1999
Ammonia Nitrogen as N	42 mg/L	TIM 780-86T	RO/RS	09-30-1999

Description of units used within this report

mg/L - Milligrams per Liter

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

Sample Number	9961567
Date Received	09-22-1999
Project	WMSF
Date Collected	09-21-1999 14:58
Collection Site	river valley ag.
Collection Town	Clarinda
Description	water
Reference	MW3
Collector	COOK DAN
Phone	(515) 281-4171
Purchase Order	

Results of Analyses

Inorganic Chemistry

Analyte	Concentration	Method	Analyst/ Verifier	Date Analyzed
Nitrate + Nitrite Nitrogen as N	110 mg/L	EPA 353.2	JF/AP	10-06-1999
Ammonia Nitrogen as N	49 mg/L	TIM 780-86T	RO/RS	09-30-1999

Description of units used within this report

mg/L - Milligrams per Liter

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Date of report: 10-08-1999

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

Sample Number	9961568
Date Received	09-22-1999
Project	WMSF
Date Collected	09-21-1999 14:58
Collection Site	river valley ag.
Collection Town	Clarinda
Description	water
Reference	MW6
Collector	COOK DAN
Phone	(515) 281-4171
Purchase Order	

Inorganic Chemistry

Analyte	Concentration	Method	Analyst/ Verifier	Date Analyzed
Nitrate + Nitrite Nitrogen as N	48 mg/L	EPA 353.2	JF/RS	10-01-1999
Ammonia Nitrogen as N	7.5 mg/L	TIM 780-86T	RO/RS	09-30-1999

Description of units used within this report

mg/L - Milligrams per Liter

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

Sample Number	9961569
Date Received	09-22-1999
Project	WMSF
Date Collected	09-21-1999 14:58
Collection Site	river valley ag.
Collection Town	Clarinda
Description	water
Reference	MW9
Collector	COOK DAN
Phone	(515) 281-4171
Purchase Order	

Results of Analyses

Inorganic Chemistry

Analyte	Concentration	Method	Analyst/ Verifier	Date Analyzed
Nitrate + Nitrite Nitrogen as N	48 mg/L	EPA 353.2	JF/RS	10-01-1999
Ammonia Nitrogen as N	7.6 mg/L	TIM 780-86T	RO/RS	09-30-1999

Description of units used within this report

mg/L - Milligrams per Liter

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

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The University of Iowa

Date of report: 10-20-1999

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

Sample Number	9908188
Date Received	09-22-1999
Project	WMSF
Date Collected	09-21-1999 14:40
Collection Site	mw6
Collection Town	Clarinda
Description	water
Reference	RIVER VALLEY AG
Collector	COOK DANIEL
Phone	(515) 281-4171
Purchase Order	

Comments

Wynn Fertilizer

Results of Analyses

Nitrogen Containing Herbicides in Water

Analyte	Concentration ug/L	Quantitation Limit
Atrazine	0.65	0.1
Cyanazine (Bladex)	2.1	0.1
Metolachlor (Dual)	5.3	0.1
Alachlor (Lasso)	2.7	0.1
Metribuzin (Sencor)	0.28	0.1
Butylate (Sutan)	0.13	0.1
Trifluralin (Treflan)	<0.1	0.1
Acetochlor	0.24	0.1
Desethyl Atrazine	<0.1	0.1
Desisopropyl Atrazine	<0.1	0.1
Simazine	<0.1	0.1
EPTC (Eptam)	0.22	0.1

Date Analyzed: 10-08-1999

Method: EPA 507/8141

Date Extracted: 09-29-1999

Extraction Method: EPA 507/3510

Analyst: PB

Verified: DLZ

Analyst: RAD

Verified: EE

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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CHAIN-OF-CUSTODY

Contact Name Daniel Cook		Phone (515) 281-4171		Analysis Requested										Purchase Order #					
Company Iowa DNR (contaminated sites)		Fax (515) 281-8895		Ammoniac Nitrogen Nitrate Nitrogen SCB Iowa Common Herbicides										Project Name and/or Number (River Valley Area) WMSF Wynn Fertilizer 7333					
Address Iowa DNR State Office Bldg		City Des Moines												State IA		Zip 50319		Collector's Phone # (515) 281-4171	
Sample ID/Description		Date												Time		Sample Matrix		Print Collector's Name Daniel Cook	
																		Collector's Signature Daniel Cook	
												Comments/UHL Sample Number							
1. 18-512 (MW1)		9-21-99		1:45P		X		X											
2. 18-515 (MW2)		9-21-99		2:05P		X		X											
3. 18-506 (MW3)		9-21-99		2:15P		X		X											
4. 18-514 (MW6)		9-21-99		2:40P		X		X											
5. 18-857 (MW9)		9-21-99		2:40P		X		X											
6. 2-99 (MW1)		9-21-99		1:45P		X		X											
7. 2-180 (MW2)		9-21-99		1:58P		X		X											
8. 2-181 (MW3)		9-21-99		2:15P		X		X											
9. 2-115 (MW6)		9-21-99		2:35P		X		X											
10. 2-660 (MW9)		9-21-99		2:35P		X		X											
Relinquished by		Date		Time		Comments													
Received at Laboratory by		Date		Time		Sample Receipt Comments													
Robin Ecker		0815		9-22		in shot 1-18 on location													

102 Oakdale Campus, #H101 OH
Iowa City, Iowa 52242-5002
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<http://www.uhl.uiowa.edu>

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Yellow - UHL copy
Blue - Client copy

B. K. ...

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9-22-99