



Hygienic Laboratory

CON 12-15
Doc #20617

The University of Iowa

Date of report: 03-05-2009

|||||.....|||||.....|||||.....|||||.....
TAMI RICE
IDNR CONTAMINATED SITES
WALLACE STATE OFFICE BLDG
502 EAST NINTH STREET
DES MOINES IA 50319-0034

Sample Number 2009002956
Date Received 02-04-2009
Project WMSF
Date Collected 02-03-2009 13:00
Collection Site mw-1
Collection Town
Description water
Reference THERMOGAS-EDGEWOOD
Collector RICE TAMI S.
Phone (515) 281-4420
Purchase Order WMSF-19745

Comments

Thermogas-Edgewood (3814)
Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

Results of Analyses

Nitrogen Containing Herbicides

Analyte	Concentration ug/L	Quantitation Limit ug/L
Atrazine	<0.1	0.1
Cyanazine	<0.1	0.1
Metolachlor	<0.1	0.1
Alachlor	<0.1	0.1
Metribuzin	<0.1	0.1
Butylate	<0.1	0.1
Trifluralin	<0.1	0.1
Acetochlor	<0.1	0.1
Desethyl Atrazine	<0.1	0.1
Desisopropyl Atrazine	<0.1	0.1
Simazine	<0.1	0.1
Ametryn	<0.1	0.1
EPTC	<0.1	0.1
Prometon	0.14	0.1
Propachlor	<0.1	0.1
Propazine	<0.1	0.1
Dimethenamid	<0.1	0.1
Butachlor	<0.1	0.1

Date Analyzed: 02-13-2009
Method: EPA 507
Date Prepared: 02-06-2009

Analyst: PB
Verified: VR
Analyst: SE
Verified: GJ

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Sample Number 2009002956

Nitrate + Nitrite as Nitrate N (Water)

Analyte	Concentration mg/L	Quantitation Limit mg/L
Nitrate + Nitrite Nitrogen as N	3.2	0.05

Date Analyzed: 02-10-2009
Method: EPA 353.2

Analyst: MP
Verified: LF

Ammonia as N

Analyte	Concentration mg/L	Quantitation Limit mg/L
Ammonia Nitrogen as N	<0.05	0.05

Date Analyzed: 02-10-2009
Method: LAC10-107-06-1J

Analyst: MP
Verified: LF

Description of units used within this report

mg/L - Milligrams per Liter

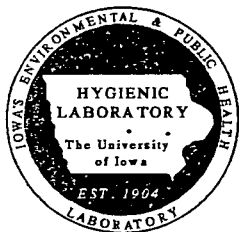
ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

The results of this report relate only to the items analyzed. This report shall not be reproduced except in full without the written approval of the laboratory.

Iowa Environmental Laboratory ID #027.

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



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Date of report: 03-05-2009

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 TAMI RICE
 IDNR CONTAMINATED SITES
 WALLACE STATE OFFICE BLDG
 502 EAST NINTH STREET
 DES MOINES IA 50319-0034

Sample Number 2009002957
 Date Received 02-04-2009
 Project WMSF
 Date Collected 02-03-2009 13:08
 Collection Site mw-7
 Collection Town
 Description water
 Reference THERMOGAS-EDGEWOOD
 Collector RICE TAMI S.
 Phone (515) 281-4420
 Purchase Order WMSF-19745

Comments

*Thermogas-Edgewood (3814)
 Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.*

Results of Analyses

Nitrogen Containing Herbicides

Analyte	Concentration ug/L	Quantitation Limit ug/L
Atrazine	<0.1	0.1
Cyanazine	<0.1	0.1
Metolachlor	<0.1	0.1
Alachlor	<0.1	0.1
Metribuzin	<0.1	0.1
Butylate	<0.1	0.1
Trifluralin	<0.1	0.1
Acetochlor	<0.1	0.1
Desethyl Atrazine	<0.1	0.1
Desisopropyl Atrazine	<0.1	0.1
Simazine	<0.1	0.1
Ametryn	<0.1	0.1
EPTC	<0.1	0.1
Prometon	0.14	0.1
Propachlor	<0.1	0.1
Propazine	<0.1	0.1
Dimethenamid	<0.1	0.1
Butachlor	<0.1	0.1

Date Analyzed: 02-14-2009
 Method: EPA 507
 Date Prepared: 02-06-2009

Analyst: PB
 Verified: VR
 Analyst: SE
 Verified: GJ

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Sample Number 2009002957

Nitrate + Nitrite as Nitrate N (Water)

Analyte	Concentration mg/L	Quantitation Limit mg/L
Nitrate + Nitrite Nitrogen as N	<0.05	0.05

Date Analyzed: 02-10-2009

Method: EPA 353.2

Analyst: MP

Verified: LF

Ammonia as N

Analyte	Concentration mg/L	Quantitation Limit mg/L
Ammonia Nitrogen as N	0.56	0.05

Date Analyzed: 02-10-2009

Method: LAC10-107-06-1J

Analyst: MP

Verified: LF

Description of units used within this report

mg/L - Milligrams per Liter

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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 TAMI RICE
 IDNR CONTAMINATED SITES
 WALLACE STATE OFFICE BLDG
 502 EAST NINTH STREET
 DES MOINES IA 50319-0034

Sample Number 2009002958
 Date Received 02-04-2009
 Project WMSF
 Date Collected 02-03-2009 13:15
 Collection Site mw-3
 Collection Town
 Description water
 Reference THERMOGAS-EDGEWOOD
 Collector RICE TAMI S.
 Phone (515) 281-4420
 Purchase Order WMSF-19745

Comments

*Thermogas-Edgewood (3814)
 Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.*

Results of Analyses

Nitrogen Containing Herbicides

Analyte	Concentration ug/L	Quantitation Limit ug/L
Atrazine	<0.1	0.1
Cyanazine	<0.1	0.1
Metolachlor	<0.1	0.1
Alachlor	<0.1	0.1
Metribuzin	<0.1	0.1
Butylate	<0.1	0.1
Trifluralin	<0.1	0.1
Acetochlor	<0.1	0.1
Desethyl Atrazine	<0.1	0.1
Desisopropyl Atrazine	<0.1	0.1
Simazine	<0.1	0.1
Ametryn	<0.1	0.1
EPTC	<0.1	0.1
Prometon	0.22	0.1
Propachlor	<0.1	0.1
Propazine	<0.1	0.1
Dimethenamid	<0.1	0.1
Butachlor	<0.1	0.1

Date Analyzed: 02-14-2009
 Method: EPA 507
 Date Prepared: 02-06-2009

Analyst: PB
 Verified: VR
 Analyst: SE
 Verified: GJ



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Sample Number 2009002958

Nitrate + Nitrite as Nitrate N (Water)

Analyte	Concentration mg/L	Quantitation Limit mg/L
Nitrate + Nitrite Nitrogen as N	0.08	0.05

Date Analyzed: 02-10-2009

Method: EPA 353.2

Analyst: MP

Verified: LF

Ammonia as N

Analyte	Concentration mg/L	Quantitation Limit mg/L
Ammonia Nitrogen as N	<0.05	0.05

Date Analyzed: 02-10-2009

Method: LAC10-107-06-1J

Analyst: MP

Verified: LF

Description of units used within this report

mg/L - Milligrams per Liter

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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Sample Number 2009002959

Nitrate + Nitrite as Nitrate N (Water)

Analyte	Concentration mg/L	Quantitation Limit mg/L
Nitrate + Nitrite Nitrogen as N	<0.05	0.05

Date Analyzed: 02-10-2009

Method: EPA 353.2

Analyst: MP

Verified: LF

Ammonia as N

Analyte	Concentration mg/L	Quantitation Limit mg/L
Ammonia Nitrogen as N	0.17	0.05

Date Analyzed: 02-10-2009

Method: LAC10-107-06-1J

Analyst: MP

Verified: LF

Description of units used within this report

mg/L - Milligrams per Liter

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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Sample Number 2009002960

Nitrate + Nitrite as Nitrate N (Water)

Analyte	Concentration mg/L	Quantitation Limit mg/L
Nitrate + Nitrite Nitrogen as N	2.8	0.05

Date Analyzed: 02-10-2009

Method: EPA 353.2

Analyst: MP

Verified: LF

Ammonia as N

Analyte	Concentration mg/L	Quantitation Limit mg/L
Ammonia Nitrogen as N	0.14	0.05

Date Analyzed: 02-10-2009

Method: LAC10-107-06-1J

Analyst: MP

Verified: LF

Description of units used within this report

mg/L - Milligrams per Liter

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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Sample Number 2009002961

Nitrate + Nitrite as Nitrate N (Water)

Analyte	Concentration mg/L	Quantitation Limit mg/L
Nitrate + Nitrite Nitrogen as N	< 0.05	0.05

Date Analyzed: 02-10-2009
Method: EPA 353.2

Analyst: MP
Verified: LF

Ammonia as N

Analyte	Concentration mg/L	Quantitation Limit mg/L
Ammonia Nitrogen as N	36	0.05

Date Analyzed: 02-10-2009
Method: LAC10-107-06-1J

Analyst: MP
Verified: LF

Description of units used within this report

mg/L - Milligrams per Liter

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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Sample Number 2009002962

Nitrate + Nitrite as Nitrate N (Water)

Analyte	Concentration mg/L	Quantitation Limit mg/L
Nitrate + Nitrite Nitrogen as N	< 0.05	0.05

Date Analyzed: 02-10-2009

Method: EPA 353.2

Analyst: MP

Verified: LF

Ammonia as N

Analyte	Concentration mg/L	Quantitation Limit mg/L
Ammonia Nitrogen as N	27	0.05

Date Analyzed: 02-10-2009

Method: LAC10-107-06-1J

Analyst: MP

Verified: LF

Description of units used within this report

mg/L - Milligrams per Liter

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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