



LABORATORY ANALYTICAL REPORT

Client: AMPP

Project:

Lab ID: B03100646-013

Client Sample ID: TIYAA:Field, 0-6 in

Report Date: 11/03/03

Collection Date: 10/10/03 12:30

Date Received: 10/10/03

Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>PHYSICAL CHARACTERISTICS</b>							
Texture	CL					ASA15-5	10/24/03 13:18 / srm
- C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y)							
<b>SATURATED PASTE</b>							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	10/22/03 13:41 / srm
Conductivity, Saturated Paste	1.03	mmhos/cm		0.01		ASA10-3	10/22/03 13:41 / srm
Saturation	63.7	wt%		0.1		USDA27a	10/22/03 13:41 / srm
Calcium, sat. paste	4.08	meq/l		0.01		SW6010B	10/23/03 16:58 / rth
Magnesium, sat. paste	3.57	meq/l		0.01		SW6010B	10/23/03 16:58 / rth
Sodium, sat. paste	3.83	meq/l		0.01		SW6010B	10/23/03 16:58 / rth
Sodium Adsorption Ratio (SAR)	1.96	unitless		0.01		Calculation	10/24/03 13:18 / srm
<b>CHEMICAL CHARACTERISTICS</b>							
Lime as CaCO <sub>3</sub> , %	4.4	wt%		0.1		USDA23c	10/24/03 13:18 / srm
Sulfate as S	26	mg/kg		1		ASA10-3	10/22/03 05:34 / jb
Phosphorus, Olsen	6	mg/kg		1		ASA24-5	10/17/03 09:50 / srm
Nitrate as N, KCL Extract	2	mg/kg		1		ASA38-3	10/17/03 11:50 / srm
Nitrate as N, KCL Extract	3	lbs/acre		1		Calculation	10/17/03 13:21 / srm
Organic Matter	3.65	wt%		0.02		ASA29-3	10/22/03 13:41 / srm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Potassium	310	mg/kg	B	10		SW6010B	10/21/03 04:05 / rth

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

B - The analyte was detected in the method blank.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project:  
 Lab ID: B03100646-014  
 Client Sample ID: TIYAA:Field, 6-24 in

Report Date: 11/03/03  
 Collection Date: 10/10/03 12:30  
 Date Received: 10/10/03  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>PHYSICAL CHARACTERISTICS</b>							
Texture	SiCL					ASA15-5	10/24/03 13:18 / srm
- C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y)							
<b>SATURATED PASTE</b>							
pH, sat. paste	8.1	s.u.		0.1		ASAM10-3.2	10/22/03 13:41 / srm
Conductivity, Saturated Paste	2.97	mmhos/cm		0.01		ASA10-3	10/22/03 13:41 / srm
Saturation	60.4	wt%		0.1		USDA27a	10/22/03 13:41 / srm
Calcium, sat. paste	6.12	meq/l	D	0.02		SW6010B	10/23/03 17:02 / rth
Magnesium, sat. paste	6.23	meq/l	D	0.02		SW6010B	10/23/03 17:02 / rth
Sodium, sat. paste	20.6	meq/l	D	0.02		SW6010B	10/23/03 17:02 / rth
Sodium Adsorption Ratio (SAR)	8.28	unitless		0.01		Calculation	10/24/03 13:18 / srm
<b>CHEMICAL CHARACTERISTICS</b>							
Sulfate as S	221	mg/kg		1		ASA10-3	10/22/03 06:07 / jb
Nitrate as N, KCL Extract	ND	mg/kg		1		ASA38-3	10/17/03 11:53 / srm
Nitrate as N, KCL Extract	6	lbs/acre		1		Calculation	10/17/03 13:21 / srm

**Report Definitions:**  
 RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP

Project:

Lab ID: B03100646-015

Client Sample ID: TIYAA:Spots, 0-6 in

Report Date: 11/03/03

Collection Date: 10/10/03 13:00

Date Received: 10/10/03

Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>PHYSICAL CHARACTERISTICS</b>							
Texture	SiCL					ASA15-5	10/24/03 13:18 / srm
- C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y)							
<b>SATURATED PASTE</b>							
pH, sat. paste	8.4	s.u.		0.1		ASAM10-3.2	10/22/03 13:41 / srm
Conductivity, Saturated Paste	5.82	mmhos/cm		0.01		ASA10-3	10/22/03 13:41 / srm
Saturation	81.8	wt%		0.1		USDA27a	10/22/03 13:41 / srm
Calcium, sat. paste	3.71	meq/l	D	0.03		SW6010B	10/23/03 17:05 / rth
Magnesium, sat. paste	3.75	meq/l	D	0.03		SW6010B	10/23/03 17:05 / rth
Sodium, sat. paste	54.1	meq/l	D	0.03		SW6010B	10/23/03 17:05 / rth
Sodium Adsorption Ratio (SAR)	28.0	unitless		0.01		Calculation	10/24/03 13:18 / srm
<b>CHEMICAL CHARACTERISTICS</b>							
Lime as CaCO3, %	4.8	wt%		0.1		USDA23c	10/24/03 13:18 / srm
Sulfate as S	425	mg/kg		1		ASA10-3	10/22/03 06:17 / jb
Phosphorus, Olsen	15	mg/kg		1		ASA24-5	10/17/03 09:51 / srm
Nitrate as N, KCL Extract	12	mg/kg		1		ASA38-3	10/17/03 11:53 / srm
Nitrate as N, KCL Extract	25	lbs/acre		1		Calculation	10/17/03 13:21 / srm
Organic Matter	2.59	wt%		0.02		ASA29-3	10/22/03 13:41 / srm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Potassium	570	mg/kg	B	10		SW6010B	10/21/03 04:18 / rth

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

B - The analyte was detected in the method blank.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project:  
 Lab ID: B03100646-016  
 Client Sample ID: TIYAA:Spots, 6-24 in

Report Date: 11/03/03  
 Collection Date: 10/10/03 13:00  
 Date Received: 10/10/03  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>PHYSICAL CHARACTERISTICS</b>							
Texture	SiCL					ASA15-5	10/24/03 13:18 / srm
- C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y)							
<b>SATURATED PASTE</b>							
pH, sat. paste	8.4	s.u.		0.1		ASAM10-3.2	10/22/03 13:41 / srm
Conductivity, Saturated Paste	11.2	mmhos/cm		0.01		ASA10-3	10/22/03 13:41 / srm
Saturation	79.8	wt%		0.1		USDA27a	10/22/03 13:41 / srm
Calcium, sat. paste	21.3	meq/l	D	0.06		SW6010B	10/23/03 17:08 / rth
Magnesium, sat. paste	15.9	meq/l	D	0.06		SW6010B	10/23/03 17:08 / rth
Sodium, sat. paste	121	meq/l	D	0.06		SW6010B	10/23/03 17:08 / rth
Sodium Adsorption Ratio (SAR)	28.1	unitless		0.01		Calculation	10/24/03 13:18 / srm
<b>CHEMICAL CHARACTERISTICS</b>							
Sulfate as S	1370	mg/kg		1		ASA10-3	10/22/03 06:28 / jb
Nitrate as N, KCL Extract	17	mg/kg		1		ASA38-3	10/17/03 11:54 / srm
Nitrate as N, KCL Extract	105	lbs/acre		1		Calculation	10/17/03 13:21 / srm

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.  
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.