



LABORATORY ANALYTICAL REPORT

Client: AMPP  
Project: AMPP Tier II  
Lab ID: H05110027-008  
Client Sample ID: T2/DA-10-(0-6")

Report Date: 11/30/05  
Collection Date: 10/27/05 17:00  
Date Received: 10/31/05  
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.4	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	4.00	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	37.3	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	4.8	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	5.59	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	20.4	meq/l		0.05		SW6010B	11/19/05 19:39 / jjm
Magnesium, sat. paste	10.3	meq/l		0.08		SW6010B	11/19/05 19:39 / jjm
Sodium, sat. paste	19.0	meq/l		0.04		SW6010B	11/19/05 19:39 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	48	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	39	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	13	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	L	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Fluoride	ND	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Potassium, NH4OAc Extractable	196	mg/kg		1		ASA13-3	11/29/05 00:00 / jjm
Organic Matter	2.27	%		0.02		ASA29-3	11/15/05 12:10 / jjm
Cation Exchange Capacity	21.2	meq/100g		0.09		SW6010B	11/21/05 13:40 / jjm
Lime as CaCO3	7.8	%		0.1		USDA23c	11/21/05 00:00 / jjm
Phosphorus	10	mg/kg		0.8		ASA24-5	11/23/05 15:20 / rp
Nitrate + Nitrite as N, KCL Extract	12	mg/kg		1		ASA38-3	11/23/05 12:10 / sld
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	1.36	meq/100g		0.04		SW6010B	11/17/05 15:31 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	3.1	%		0.1		USDA20a	11/16/05 08:41 / jjm
<b>METALS, DTPA EXTRACTABLE</b>							
Zinc	0.77	mg/kg		0.02		SW6010B	11/22/05 16:52 / rp
<b>METALS, CACL2 EXTRACTABLE</b>							
Barium	0.5	mg/kg		0.2		SW6010B	11/22/05 15:41 / rp
Boron	0.8	mg/kg		0.2		SW6010B	11/22/05 15:41 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 15:41 / rp

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

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



LABORATORY ANALYTICAL REPORT

Client: AMPP  
Project: AMPP Tier II  
Lab ID: H05110027-009  
Client Sample ID: T2/DA-10-(6-12")

Report Date: 11/30/05  
Collection Date: 10/27/05 17:00  
Date Received: 10/31/05  
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	4.80	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	38.1	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	7.0	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	4.00	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	20.8	meq/l		0.05		SW6010B	11/19/05 19:42 / jjm
Magnesium, sat. paste	12.7	meq/l		0.08		SW6010B	11/19/05 19:42 / jjm
Sodium, sat. paste	28.4	meq/l		0.04		SW6010B	11/19/05 19:42 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	54	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	34	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	12	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SL	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	21.6	meq/100g		0.09		SW6010B	11/21/05 13:43 / jjm
Lime as CaCO3	7.7	%		0.1		USDA23c	11/21/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	13	mg/kg		1		ASA38-3	11/23/05 12:12 / sld
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	1.60	meq/100g		0.04		SW6010B	11/17/05 15:34 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	2.4	%		0.1		USDA20a	11/16/05 08:41 / jjm

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LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project: AMPP Tier II  
 Lab ID: H05110027-010  
 Client Sample ID: T2/DA-10-(12-24")

Report Date: 11/30/05  
 Collection Date: 10/27/05 17:00  
 Date Received: 10/31/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.7	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	4.65	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	35.3	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	9.4	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	3.33	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	12.6	meq/l		0.05		SW6010B	11/19/05 19:45 / jjm
Magnesium, sat. paste	11.0	meq/l		0.08		SW6010B	11/19/05 19:45 / jjm
Sodium, sat. paste	32.4	meq/l		0.04		SW6010B	11/19/05 19:45 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	67	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	25	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	8	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SL	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	16.1	meq/100g		0.09		SW6010B	11/21/05 13:46 / jjm
Lime as CaCO3	7.3	%		0.1		USDA23c	11/21/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	19	mg/kg		1		ASA38-3	11/23/05 12:14 / sld
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	1.74	meq/100g		0.04		SW6010B	11/17/05 15:43 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	3.7	%		0.1		USDA20a	11/16/05 08:41 / jjm

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 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project: AMPP Tier II  
 Lab ID: H05110027-011  
 Client Sample ID: T2-DA-10-(24-36")

Report Date: 11/30/05  
 Collection Date: 10/27/05 17:00  
 Date Received: 10/31/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	8.0	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	7.55	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	30.7	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	17	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	3.00	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	14.3	meq/l		0.05		SW6010B	11/19/05 19:57 / jjm
Magnesium, sat. paste	18.0	meq/l		0.08		SW6010B	11/19/05 19:57 / jjm
Sodium, sat. paste	68.3	meq/l		0.04		SW6010B	11/19/05 19:57 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	67	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	27	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	6	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SL	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	11.8	meq/100g		0.09		SW6010B	11/21/05 13:52 / jjm
Lime as CaCO3	8.0	%		0.1		USDA23c	11/21/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	2.54	meq/100g		0.04		SW6010B	11/17/05 15:49 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	3.7	%		0.1		USDA20a	11/16/05 08:41 / jjm

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

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 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project: AMPP Tier II  
 Lab ID: H05110027-012  
 Client Sample ID: T2-DA-10-(36-60")

Report Date: 11/30/05  
 Collection Date: 10/27/05 17:00  
 Date Received: 10/31/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.9	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	8.97	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	27.6	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	20	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	2.80	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	16.1	meq/l		0.05		SW6010B	11/19/05 20:00 / jjm
Magnesium, sat. paste	21.9	meq/l		0.08		SW6010B	11/19/05 20:00 / jjm
Sodium, sat. paste	85.8	meq/l		0.04		SW6010B	11/19/05 20:00 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	69	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	21	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	10	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SL	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Fluoride	1.4	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Cation Exchange Capacity	12.7	meq/100g		0.09		SW6010B	11/21/05 14:01 / jjm
Lime as CaCO3	6.7	%		0.1		USDA23c	11/21/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	3.03	meq/100g		0.04		SW6010B	11/17/05 15:52 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.7	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	5.2	%		0.1		USDA20a	11/16/05 08:41 / jjm
<b>METALS, CaCl2 EXTRACTABLE</b>							
Barium	ND	mg/kg		0.2		SW6010B	11/22/05 15:44 / rp
Boron	0.9	mg/kg		0.2		SW6010B	11/22/05 15:44 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 15:44 / rp

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



LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project: AMPP Tier II  
 Lab ID: H05110027-013  
 Client Sample ID: T2-DA-10-(60-96")

Report Date: 11/30/05  
 Collection Date: 10/27/05 17:00  
 Date Received: 10/31/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.8	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	4.69	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	24.8	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	15	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	2.80	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	7.19	meq/l		0.05		SW6010B	11/19/05 20:03 / jjm
Magnesium, sat. paste	7.78	meq/l		0.08		SW6010B	11/19/05 20:03 / jjm
Sodium, sat. paste	41.4	meq/l		0.04		SW6010B	11/19/05 20:03 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	85	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	11	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	4	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	LS	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	5.18	meq/100g		0.09		SW6010B	11/21/05 14:04 / jjm
Lime as CaCO3	5.9	%		0.1		USDA23c	11/21/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	1.91	meq/100g		0.04		SW6010B	11/17/05 15:55 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	17	%		0.1		USDA20a	11/16/05 08:41 / jjm

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

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



LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project: AMPP Tier II  
 Lab ID: H05110027-014  
 Client Sample ID: T2-DA-10-(0-2")

Report Date: 11/30/05  
 Collection Date: 10/27/05 17:00  
 Date Received: 10/31/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.4	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	0.80	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	37.9	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	0.69	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	5.99	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	5.00	meq/l		0.05		SW6010B	11/19/05 20:06 / jjm
Magnesium, sat. paste	2.53	meq/l		0.08		SW6010B	11/19/05 20:06 / jjm
Sodium, sat. paste	1.33	meq/l		0.04		SW6010B	11/19/05 20:06 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	51	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	37	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	12	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	L	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	20.0	meq/100g		0.09		SW6010B	11/21/05 14:07 / jjm
Lime as CaCO3	7.7	%		0.1		USDA23c	11/21/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	0.39	meq/100g		0.04		SW6010B	11/17/05 15:58 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.3	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	1.7	%		0.1		USDA20a	11/16/05 08:41 / jjm

Report Definitions: RL - Analyte reporting limit.  
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MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.