



LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110025-009
Client Sample ID: T2/GC-10-(0-6")

Report Date: 11/30/05
Collection Date: 10/26/05 17:00
Date Received: 10/31/05
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.3	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	0.87	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	64.1	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.64	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	7.80	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	0.6	mg/L		0.1		ASA10-3	11/16/05 11:50 / sld
SATURATED PASTE							
Calcium, sat. paste	5.43	meq/l		0.05		SW6010B	11/16/05 15:02 / rp
Magnesium, sat. paste	3.38	meq/l		0.08		SW6010B	11/16/05 15:02 / rp
Sodium, sat. paste	1.35	meq/l		0.04		SW6010B	11/16/05 15:02 / rp
Sulfate, sat. paste	1.04	meq/l		0.02		SW6010B	11/16/05 15:02 / rp
PHYSICAL CHARACTERISTICS							
Sand	12	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	53	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	35	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SiCL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Potassium, NH4OAc Extractable	240	mg/kg		1		ASA13-3	11/29/05 00:00 / jjm
Organic Matter	4.52	%		0.02		ASA29-3	11/15/05 12:10 / jjm
Cation Exchange Capacity	35.9	meq/100g		0.09		SW6010B	11/21/05 11:15 / jjm
Lime as CaCO3	9.0	%		0.1		USDA23c	11/17/05 00:00 / jjm
Phosphorus	18	mg/kg		0.8		ASA24-5	11/23/05 14:59 / rp
Nitrate + Nitrite as N, KCL Extract	13	mg/kg		1		ASA38-3	11/23/05 11:30 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.55	meq/100g		0.04		SW6010B	11/17/05 12:19 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.3	%		0.1		USDA20a	11/15/05 15:23 / jjm
METALS, DTPA EXTRACTABLE							
Zinc	1.01	mg/kg		0.02		SW6010B	11/22/05 16:37 / rp
METALS, CACL2 EXTRACTABLE							
Barium	1.0	mg/kg		0.2		SW6010B	11/22/05 14:57 / rp
Boron	0.5	mg/kg		0.2		SW6010B	11/22/05 14:57 / rp

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

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



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Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
METALS, CACL2 EXTRACTABLE							
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 14:57 / rp

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LABORATORY ANALYTICAL REPORT

Client: AMPP
 Project: AMPP Tier II
 Lab ID: H05110025-010
 Client Sample ID: T2/GC-10-(6-12")

Report Date: 11/30/05
 Collection Date: 10/26/05 17:00
 Date Received: 10/31/05
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	0.62	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	57.8	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	1.2	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	5.06	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	0.7	mg/L		0.1		ASA10-3	11/16/05 11:52 / sld
SATURATED PASTE							
Calcium, sat. paste	3.23	meq/l		0.05		SW6010B	11/16/05 15:05 / rp
Magnesium, sat. paste	2.15	meq/l		0.08		SW6010B	11/16/05 15:05 / rp
Sodium, sat. paste	1.96	meq/l		0.04		SW6010B	11/16/05 15:05 / rp
Sulfate, sat. paste	1.54	meq/L		0.02		SW6010B	11/16/05 15:05 / rp
PHYSICAL CHARACTERISTICS							
Sand	7	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	56	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	37	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SiCL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	30.2	meq/100g		0.09		SW6010B	11/21/05 11:18 / jjm
Lime as CaCO3	9.8	%		0.1		USDA23c	11/17/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	8	mg/kg		1		ASA38-3	11/23/05 11:32 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.64	meq/100g		0.04		SW6010B	11/17/05 12:22 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.8	%		0.1		USDA20a	11/15/05 15:23 / jjm

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LABORATORY ANALYTICAL REPORT

Client: AMPP
 Project: AMPP Tier II
 Lab ID: H05110025-011
 Client Sample ID: T2/GC-10-(12-24)

Report Date: 11/30/05
 Collection Date: 10/26/05 17:00
 Date Received: 10/31/05
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.7	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	0.87	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	51.5	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	1.6	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	3.61	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	4.5	mg/L		0.2		ASA10-3	11/16/05 12:00 / sld
SATURATED PASTE							
Calcium, sat. paste	4.07	meq/l		0.05		SW6010B	11/16/05 15:11 / rp
Magnesium, sat. paste	2.81	meq/l		0.08		SW6010B	11/16/05 15:11 / rp
Sodium, sat. paste	2.96	meq/l		0.04		SW6010B	11/16/05 15:11 / rp
Sulfate, sat. paste	5.35	meq/L		0.02		SW6010B	11/16/05 15:11 / rp
PHYSICAL CHARACTERISTICS							
Sand	15	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	54	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	31	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SiCL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	32.7	meq/100g		0.09		SW6010B	11/21/05 11:24 / jjm
Lime as CaCO3	10.1	%		0.1		USDA23c	11/17/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	10	mg/kg		1		ASA38-3	11/23/05 12:56 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.71	meq/100g		0.04		SW6010B	11/17/05 12:28 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.7	%		0.1		USDA20a	11/15/05 15:23 / jjm

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LABORATORY ANALYTICAL REPORT

Client: AMPP
 Project: AMPP Tier II
 Lab ID: H05110025-012
 Client Sample ID: T2/GC-10-(24-36")

Report Date: 11/30/05
 Collection Date: 10/26/05 17:00
 Date Received: 10/31/05
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	1.45	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	48.3	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	2.89	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	7.78	meq/l		0.05		SW6010B	11/16/05 15:14 / rp
Magnesium, sat. paste	5.32	meq/l		0.08		SW6010B	11/16/05 15:14 / rp
Sodium, sat. paste	3.69	meq/l		0.04		SW6010B	11/16/05 15:14 / rp
PHYSICAL CHARACTERISTICS							
Sand	22	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	50	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	28	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	CL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	27.0	meq/100g		0.09		SW6010B	11/21/05 11:27 / jjm
Lime as CaCO3	9.4	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.67	meq/100g		0.04		SW6010B	11/17/05 12:31 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.8	%		0.1		USDA20a	11/15/05 15:23 / jjm

Report Definitions: RL - Analyte reporting limit.
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 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110025-013
Client Sample ID: T2/GC-10-(36-60")

Report Date: 11/30/05
Collection Date: 10/26/05 17:00
Date Received: 10/31/05
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	0.93	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	38.5	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	1.2	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	2.75	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	4.89	meq/l		0.05		SW6010B	11/16/05 15:23 / rp
Magnesium, sat. paste	3.37	meq/l		0.08		SW6010B	11/16/05 15:23 / rp
Sodium, sat. paste	2.49	meq/l		0.04		SW6010B	11/16/05 15:23 / rp
PHYSICAL CHARACTERISTICS							
Sand	40	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	40	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	20	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	1.0	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Cation Exchange Capacity	21.5	meq/100g		0.09		SW6010B	11/21/05 11:30 / jjm
Lime as CaCO3	10	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.63	meq/100g		0.04		SW6010B	11/17/05 12:40 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	2.5	%		0.1		USDA20a	11/15/05 15:23 / jjm
METALS, CACL2 EXTRACTABLE							
Barium	0.3	mg/kg		0.2		SW6010B	11/22/05 15:00 / rp
Boron	0.3	mg/kg		0.2		SW6010B	11/22/05 15:00 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 15:00 / 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: H05110025-014
 Client Sample ID: T2/GC-10-(60-96")

Report Date: 11/30/05
 Collection Date: 10/26/05 17:00
 Date Received: 10/31/05
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	0.80	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	27.3	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	1.3	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	2.75	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.61	meq/l		0.05		SW6010B	11/16/05 15:26 / rp
Magnesium, sat. paste	2.74	meq/l		0.08		SW6010B	11/16/05 15:26 / rp
Sodium, sat. paste	2.25	meq/l		0.04		SW6010B	11/16/05 15:26 / rp
PHYSICAL CHARACTERISTICS							
Sand	61	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	28	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	11	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	16.8	meq/100g		0.09		SW6010B	11/21/05 11:39 / jjm
Lime as CaCO3	8.2	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.39	meq/100g		0.04		SW6010B	11/17/05 12:43 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.3	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	2.0	%		0.1		USDA20a	11/15/05 15:23 / 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: H05110025-015
 Client Sample ID: T2/GC-10-(0-2")

Report Date: 11/30/05
 Collection Date: 10/26/05 17:00
 Date Received: 10/31/05
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.2	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	1.23	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	69.7	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.52	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	10.4	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	6.39	meq/l		0.05		SW6010B	11/16/05 15:29 / rp
Magnesium, sat. paste	4.05	meq/l		0.08		SW6010B	11/16/05 15:29 / rp
Sodium, sat. paste	1.19	meq/l		0.04		SW6010B	11/16/05 15:29 / rp
PHYSICAL CHARACTERISTICS							
Sand	16	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	49	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	35	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SiCL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	43.1	meq/100g		0.09		SW6010B	11/21/05 11:42 / jjm
Lime as CaCO3	8.6	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.49	meq/100g		0.04		SW6010B	11/17/05 12:46 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.0	%		0.1		USDA20a	11/15/05 15:23 / jjm

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 QCL - Quality control limit.

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