



LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110025-016
Client Sample ID: T2/OAA-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	0.78	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	47.8	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.23	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	7.23	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	0.5	mg/L		0.1		ASA10-3	11/16/05 12:02 / sld
SATURATED PASTE							
Calcium, sat. paste	4.73	meq/l		0.05		SW6010B	11/16/05 15:32 / rp
Magnesium, sat. paste	2.80	meq/l		0.08		SW6010B	11/16/05 15:32 / rp
Sodium, sat. paste	0.45	meq/l		0.04		SW6010B	11/16/05 15:32 / rp
Sulfate, sat. paste	0.60	meq/l		0.02		SW6010B	11/16/05 15:32 / rp
PHYSICAL CHARACTERISTICS							
Sand	32	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	50	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	18	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SiL	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	271	mg/kg		1		ASA13-3	11/29/05 00:00 / jjm
Organic Matter	3.68	%		0.02		ASA29-3	11/15/05 12:10 / jjm
Cation Exchange Capacity	27.6	meq/100g		0.09		SW6010B	11/21/05 11:50 / jjm
Lime as CaCO3	7.4	%		0.1		USDA23c	11/17/05 00:00 / jjm
Phosphorus	4.7	mg/kg		0.8		ASA24-5	11/23/05 15:02 / rp
Nitrate + Nitrite as N, KCL Extract	9	mg/kg		1		ASA38-3	11/23/05 11:42 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.28	meq/100g		0.04		SW6010B	11/17/05 12:55 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.3	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	0.9	%		0.1		USDA20a	11/15/05 15:23 / jjm
METALS, DTPA EXTRACTABLE							
Zinc	0.97	mg/kg		0.02		SW6010B	11/22/05 16:40 / rp
METALS, CACL2 EXTRACTABLE							
Barium	2.0	mg/kg		0.2		SW6010B	11/22/05 15:03 / rp
Boron	0.8	mg/kg		0.2		SW6010B	11/22/05 15:03 / 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 15:03 / rp

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LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110025-017
Client Sample ID: T2/OAA-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	0.59	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	40.9	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.46	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	5.35	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 12:04 / sld
SATURATED PASTE							
Calcium, sat. paste	2.96	meq/l		0.05		SW6010B	11/16/05 15:34 / rp
Magnesium, sat. paste	2.76	meq/l		0.08		SW6010B	11/16/05 15:34 / rp
Sodium, sat. paste	0.78	meq/l		0.04		SW6010B	11/16/05 15:34 / rp
Sulfate, sat. paste	0.67	meq/L		0.02		SW6010B	11/16/05 15:34 / rp
PHYSICAL CHARACTERISTICS							
Sand	30	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	50	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	20	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SiL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	23.1	meq/100g		0.09		SW6010B	11/21/05 11:53 / jjm
Lime as CaCO3	8.9	%		0.1		USDA23c	11/17/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	6	mg/kg		1		ASA38-3	11/23/05 11:44 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.39	meq/100g		0.04		SW6010B	11/17/05 12:58 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.6	%		0.1		USDA20a	11/15/05 15:23 / jjm

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LABORATORY ANALYTICAL REPORT

Client: AMPP
 Project: AMPP Tier II
 Lab ID: H05110025-018
 Client Sample ID: T2/OAA-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	7.8	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	1.15	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	37.0	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	2.9	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	4.34	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 12:06 / sld
SATURATED PASTE							
Calcium, sat. paste	2.97	meq/l		0.05		SW6010B	11/16/05 15:37 / rp
Magnesium, sat. paste	2.88	meq/l		0.08		SW6010B	11/16/05 15:37 / rp
Sodium, sat. paste	5.01	meq/l		0.04		SW6010B	11/16/05 15:37 / rp
Sulfate, sat. paste	6.67	meq/L		0.02		SW6010B	11/16/05 15:37 / rp
PHYSICAL CHARACTERISTICS							
Sand	37	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	45	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	18	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	20.1	meq/100g		0.09		SW6010B	11/21/05 11:56 / jjm
Lime as CaCO3	9.3	%		0.1		USDA23c	11/17/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	5	mg/kg		1		ASA38-3	11/23/05 11:46 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.82	meq/100g		0.04		SW6010B	11/17/05 13:01 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	3.1	%		0.1		USDA20a	11/15/05 15:23 / jjm

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LABORATORY ANALYTICAL REPORT

Client: AMPP
 Project: AMPP Tier II
 Lab ID: H05110025-019
 Client Sample ID: T2/OAA-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	7.8	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	1.75	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	34.6	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	4.6	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	3.90	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.94	meq/l		0.05		SW6010B	11/16/05 15:40 / rp
Magnesium, sat. paste	3.72	meq/l		0.08		SW6010B	11/16/05 15:40 / rp
Sodium, sat. paste	9.08	meq/l		0.04		SW6010B	11/16/05 15:40 / rp
PHYSICAL CHARACTERISTICS							
Sand	43	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	44	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	13	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	15.6	meq/100g		0.09		SW6010B	11/21/05 11:59 / jjm
Lime as CaCO3	9.0	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.07	meq/100g		0.04		SW6010B	11/17/05 13:04 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.8	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	4.9	%		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: H05110025-020
Client Sample ID: T2/OAA-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	7.8	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	1.79	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	40.4	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	4.1	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	3.69	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	4.67	meq/l		0.05		SW6010B	11/16/05 15:43 / rp
Magnesium, sat. paste	4.93	meq/l		0.08		SW6010B	11/16/05 15:43 / rp
Sodium, sat. paste	9.00	meq/l		0.04		SW6010B	11/16/05 15:43 / rp
PHYSICAL CHARACTERISTICS							
Sand	35	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	46	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	19	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	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
Cation Exchange Capacity	20.1	meq/100g		0.09		SW6010B	11/21/05 12:02 / jjm
Lime as CaCO3	9.7	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.12	meq/100g		0.04		SW6010B	11/17/05 13:07 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.8	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	3.8	%		0.1		USDA20a	11/15/05 15:23 / jjm
METALS, CaCl2 EXTRACTABLE							
Barium	0.4	mg/kg		0.2		SW6010B	11/22/05 15:05 / rp
Boron	0.7	mg/kg		0.2		SW6010B	11/22/05 15:05 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 15:05 / rp

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ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP
 Project: AMPP Tier II
 Lab ID: H05110025-021
 Client Sample ID: T2/OAA-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	8.1	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	2.64	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	39.0	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	6.6	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	3.03	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.93	meq/l		0.05		SW6010B	11/16/05 15:49 / rp
Magnesium, sat. paste	8.10	meq/l		0.08		SW6010B	11/16/05 15:49 / rp
Sodium, sat. paste	16.3	meq/l		0.04		SW6010B	11/16/05 15:49 / rp
PHYSICAL CHARACTERISTICS							
Sand	37	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	45	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	18	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	17.1	meq/100g		0.09		SW6010B	11/21/05 12:14 / jjm
Lime as CaCO3	10.3	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.53	meq/100g		0.04		SW6010B	11/17/05 13:18 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	5.2	%		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: H05110025-022
Client Sample ID: T2/OAA-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	7.1	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	1.19	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	55.4	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.51	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	3.47	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	7.61	meq/l		0.05		SW6010B	11/16/05 15:58 / rp
Magnesium, sat. paste	3.39	meq/l		0.08		SW6010B	11/16/05 15:58 / rp
Sodium, sat. paste	1.19	meq/l		0.04		SW6010B	11/16/05 15:58 / rp
PHYSICAL CHARACTERISTICS							
Sand	32	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	49	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	19	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	30.0	meq/100g		0.09		SW6010B	11/21/05 12:17 / jjm
Lime as CaCO3	7.6	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.52	meq/100g		0.04		SW6010B	11/17/05 13:21 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.5	%		0.1		USDA20a	11/15/05 15:23 / jjm

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